400

ILLUSTRATED LIST

OF

PLANES, PLANE IRONS,

COOPERS' AND CABINET MAKERS' TOOLS, AXES,
PICKS, MATTOCKS, SLEDGES, HOES, STONE MASONS' AND MINERS' TOOLS, HAND
AND BENCH SCREWS, ALL KINDS OF HANDLES, MALLETS,
SCREW DRIVERS, SAW BUCKS, &C., &C.

MANUFACTURED BY

THE SANDUSKY TOOL CO.,

SANDUSKY, OHIO

GENERAL EASTERN AGENCY,

NO. 113 CHAMBERS STREET,

NEW YORK.

SANDUSKY:
REGISTER STEAM PRINTING ESTABLISHMENT,
1877.

1877 Illustrated List of Planes, Plane Irons,

COOPERS' AND CABINET MAKERS' TOOLS, AXES,
PICKS, MATTOCKS, SLEDGES, HOES, STONE MASONS' AND MINERS' TOOLS, HAND AND BENCH SCREWS, ALL KINDS OF HANDLES, MALLETS, SCREW DRIVERS, SAW BUCKS, &c., &c.

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THE SANDUSKY TOOL COMPANY.

H. C. POST, Prest. and Treas. J. A. MONTGOMERY, Supt. J. P. KNIGHT, Sec'y.

SANDUSKY, OHIO, MARCH 1st, 1877.

GENTLEMEN:

We take pleasure in calling your attention to the extensive assortment of *first-class* tools, etc., manufactured by us, more perfectly illustrated and classified in this catalogue now presented, than in any other heretofore issued. Our aim will still be to excel in the uniform standard of all goods represented herewith. We are constantly making new improvements in machinery, whereby we are able to improve both style and finish of our goods to meet the especial wants of the trade and consumers.

OUR GOODS ARE FULLY WARRANTED.

We have added in this issue several new lines to which we call especial attention. We employ only skilled labor and every tool is inspected before being shipped.

Most respectfully soliciting your further valued commands, and tendering thanks for the patronage given us in the past, we remain,

Very truly,

SANDUSKY TOOL CO.

Points for Consideration.

We employ independent labor.

Our various departments are superintended by skilled workmen.

Our timber is procured from the best timber localities and thoroughly seasoned.

We purchase only the best material.

All goods are inspected before leaving the works.

Every tool is warranted.

Orders are executed with despatch.

We obtain the very cheapest freight rates.

Our facicilies for prompt and reliable shipping are unequaled. We have **DIRECT** *outlet by railroad to all points East, West, North-West and South; also by water to all principal points bordering on the Great Lakes.*

GOODS ARE SHIPPED DIRECT FROM THE FACTORY.

The L. S. & M. S. freight trains stop daily at our Factory, receives all packages and receipts are given therefor.

Our shipments by steamers within the past few years have been so extensive that the principal Transportation Lines have extended to us the best possible facilities.

Steamers leave this port DAILY for all principal points on the Lakes.

SPECIAL NOTICE.

We are prepared to make all kinds of Tools from drawings, or to order; but we reserve the right to make our charges in proportion to the work done, which, we assure our customers, shall in all cases be reasonable.

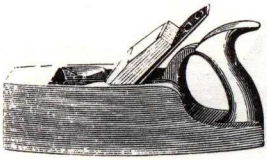
BENCH PLANES ARE PACKED IN CASES AS FOLLOWS:

Smooth Planes, ...	36 in a case.
Jack "	36 " "
Fore "	24 " "
Jointer "	16 " "

Bench and Mitre Planes with wider iron, single, 10 cents each; double, 15 cents each, per 1/8 inch extra (net.)

SMOOTH PLANES.

2 to 2 1/4 INCH IRONS.



		Price, each.
Invoice No. 1.	Single Iron, best Cast Steel with Start, . .	$ 60
" 3.	Double " " " " " " . . .	90
" 4.	Double Iron, solid handle, Applewood, . .	2 25
" 5.	" " ordinary solid handle, . . .	1 75

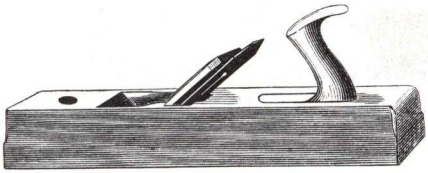
Invoice No. 5¼	Double Iron, improved solid handle,	. .	1 75
" 5½	" " Jack handle, smooth,	. . .	1 50
" 6.	" " slip mouth, "	. . .	1 65
" 7.	" " Boxwood, "	. . .	2 50
" 8.	" " Rosewood, "	. . .	2 25
" 9.	" " Rosewood Improved solid handle, Smooth,		4 00

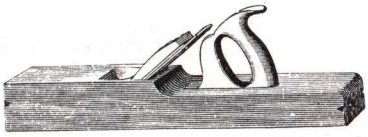
With full polished Silver Steel Clipper Irons, add extra for Single, net, . 8

" " " " " " " " " " Double, " . 15

JACK PLANES.

2 to 2¼ INCH IRONS.





Invoice No.		Price, each.
10.	Single Iron, best Cast Steel, with start, . .	$ 75
11.	" " " " " " " and handle bolt,	1 00
12.	" " " " " Razee with start, . .	1 00
13.	Double " " " " with start, . .	1 00
14.	" " " " " " " and handle bolt,	1 25
15.	" " " " " Razee with start. . .	1 20

With full polished Silver Steel Clipper Irons, add extra for Single, net . 8

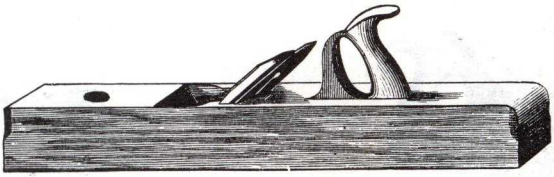
" " " " " " " " " " Double, " . 15

With Improved Handle, net extra, ... , . 7

FORE PLANES.

22 INCHES LONG.

2⅜ to 2⅝ INCH IRONS.

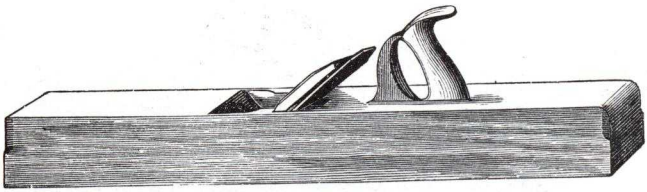


Invoice No.		Price, each.
16.	Single Iron, best Cast Steel, with start, . . .	$1 00
17.	" " " " " " " and handle bolt,	1 30
18.	" " " " " Razee with start, . . .	1 30
19.	Double Iron, best Cast Steel with start. . . .	1 40

Invoice No.		
20.	Double Iron, best Cast Steel, with start and handle bolt, .	2 00
21.	" " " " " Razee with start, . . .	1 60
	With full polished Silver Steel Clipper Irons, add extra, for Single, net .	9
	" " " " " " " " " " Double, net .	18
	With Improved Handles, . . " "	7

JOINTERS.

2½ to 2¾ INCH IRONS.



22.	Single Iron, best Cast Steel, with start,	26	28	30 inch.
		$1 10	1 20	1 30
23.	Single Iron, best Cast Steel, With Start and Handle Bolt,	26	28	30 inch.
		$1 55	1 65	1 75
24.	Single Iron, best Cast Steel, Razee, With Start.	26	28	30 inch.
		$1 40	1 50	1 60
25.	Double Iron, best Cast Steel, with start,	26	28	30 inch.
		$1 50	1 60	1 75
26.	Double Iron, best Cast Steel, With Start and handle belt.	26	28	30 inch.
		$2 30	2 45	2 55
27.	Double Iron, best Cast Steel, Razee, With Start.	26	28	30 inch.
		$1 75	1 85	2 00

With full polished Silver Steel Clipper Irons, add extra for Single net, . 10
" " " " " " " " " " Double " . 20
With Improved Handle " " " . 7

EXTRA PLANES.

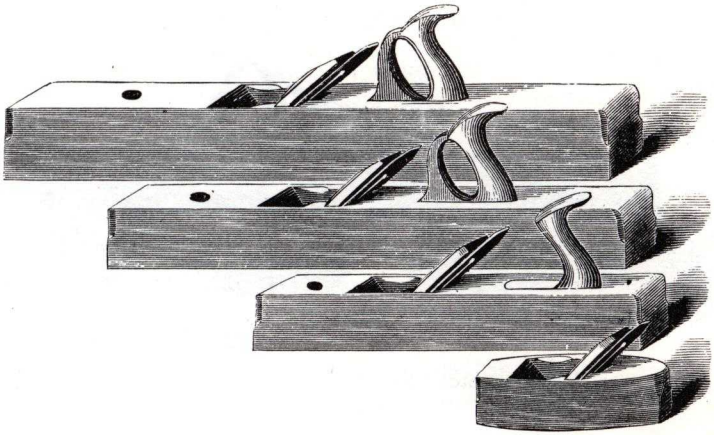
WITH POLISHED EBONY STARTS.

Invoice No.				
28.	Single Iron, Smooth, . .	2 to 2¼ inch Iron, each,		$0 70
29.	" Jack, . . .	2 to 2¼	" "	90
30.	" Fore, . .	2⅜ to 2⅝	" "	1 15
31.	" Jointer, 26 inch, .	2½ to 2¾	" "	1 30
	" " 28 " . .	2½ to 2¾	" "	1 40
	" " 30 " .	2½ to 2¾	" "	1 60
32.	Double Iron, Smooth, . .	2 to 2¼	" "	1 00
33.	" Jack, . .	2 to 2¼	" "	1 10

Invoice No.					
34.	Double Iron, Fore,	2⅜ to 2⅝	"	"	1 60
35.	" Jointer, 26 inch,	2½ to 2¾	"	"	1 75
	" " 28 "	2½ to 2¾	"	"	1 85
	" " 30 "	2½ to 2¾	"	"	1 95

No. O, XX. PLANES, PER SET OF FOUR.

With polished Ebony Start, handle bolt, extra fine finish, and very best timber.



SINGLE IRONS.		DOUBLE IRONS.	
Smooth,	$1 25	Smooth,	$1 50
Jack,	1 50	Jack,	1 85
Fore,	1 90	Fore,	2 25
Jointer, 26 inch,	2 25	Jointer, 26 inch,	2 60
Per set,	$6 90	Per set,	$8 20

O, XX.

With improved handles, and full Polished Silver Steel Clipper Irons, add to above.

SINGLE IRONS.		DOUBLE IRONS.	
Per set, net, extra,	$0.60	Per set, net, extra,	$1.00

No. OO. BOXWOOD PLANES, PER SET OF THREE.

Polished Start.

DOUBLE IRONS.

Smooth,	$2 50
Jack,	5 00
Fore,	7 00
Per set,	$14 50

With improved handles, and full Polished Silver Steel Clipper Irons, add to above.

No. OO.

DOUBLE IRONS.

Per set net, extra,	$0.70

No. O1. APPLEWOOD PLANES, PER SET OF FOUR.

With Ebony start, and very finely made.

SINGLE IRONS.		DOUBLE IRONS.	
Smooth,	$1 20	Smooth,	$1 50
Jack,	1 40	Jack,	1 75
Fore,	2 00	Fore,	2 40
Jointers,	2 50	Jointers,	3 25
Per set,	$7 10	Per set,	$8 90

No. O1.

With improved handles, and full Polished Silver Steel Clipper Irons, add to above.

SINGLE IRONS.		DOUBLE IRONS.	
Per set, net, extra,	$0.70	Per set, net, extra,	$1.00

No. O2. SHIP PLANES, PER SET OF FOUR.

Prime timber, polished start.

Smooth, Double Iron, 9 inches long,	$1 00
Jack, " " 16 " Razee,	1 20
Fore, " " 22 " "	1 60
Jointer, " " 26 " "	1 80
Per set,	$5 60

No. O2.

With improved handles, and full Polished Silver Steel Clipper Irons, add to above.

DOUBLE IRONS.

Per set, net, extra,	$1.00
Spar, Double Iron, Smooth shape,	1 75
" Single, " "	1 25

SHIP HOLLOW AND ROUNDS.

Double Irons, Straight,	net,	$2 00
" " Circular,	"	2 50
Hawk Planes, Straight, movable fence screw arms,	"	2 50
" " Circular, solid handle, movable fence screw arms,	"	3 00

No. O5. RAZEE OR RECESS HDL. PLANES, PER SET OF THREE.

Prime Second Growth Timber.

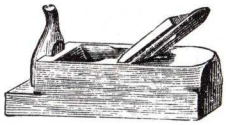
SINGLE IRONS.		DOUBLE IRONS.	
Jack,	$1 05	Jack,	$1 25
Fore,	1 35	Fore,	1 65
Jointer,	1 45	Jointer,	1 75
Per set,	$3 85	Per set,	$4 65

No. O5.

With improved handles, and full Polished Silver Steel Clipper Irons, add to above.

SINGLE IRONS.		DOUBLE IRONS.	
Per set, net, extra, . .	$0.50	Per set, net, extra, . .	$0.80

No. O6. GERMAN PATTERN PLANES.

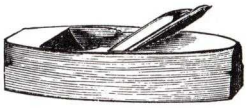


SINGLE IRONS.		DOUBLE IRONS.	
Smooth, with horn, . .	$1 10	Smooth, with horn, . .	$1 25
Jack, " " and handle,	1 30	Jack, " " and handles,	1 45

No. 07. TOY PLANES.

Smooth, single irons, . .	$0 55	Smooth, double irons, . .	$0 75
Jack, " " . . .	65	Jack, " " . . .	85

MISCELLANEOUS PLANES.

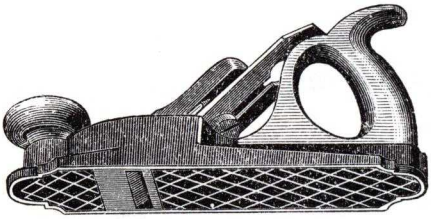


MITRE.—No. 38½.

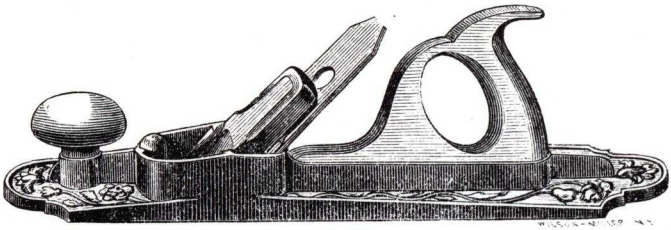
No. 36.	Tooth Plane, Cast-Steel Iron, ...	$1 00
" 36½.	" " extra fine, Applewood, ...	1 40
No. 37.	Hand Rail Planes, 1st and 2d, with handle and movable fence,	4 50
" 38.	Mitre Plane, square, 1⅞ inch, ...	75
" 38½	" " smooth shape, ...	75
" 39.	" " " " double, ...	1 00
" 40.	Shooting Plane, for Picture Frames with Box, . .	14 00
" 41.	Gutter "	1 25
" 42.	Pump " for Chain Pumps, ...	1 15
" 43.	" " with handle, ...	1 65
" 44.	Single, Circular or Heel Plane, ...	1 00
" 45.	Double, " " "	1 25
" 45½	Box Makers' Plane, double iron, ...	1 75
" 045½	" " " single iron, ...	1 50
	Key Planes, double irons, ...	90
	" " single "	60
	Carriage Makers' T. Rabbet Plane, ...	2 00

MORRIS' PATENT
Diamond Metalic Bench Planes.

PATENTED NOVEMBER 9th, 1870.



SMOOTH PLANE—10 in. long; 2¼ in.; double iron. Warranted perfect in every respect. Price, ... $2 00



JACK PLANE—16 in. long; 2¼ in; double iron. Warranted perfect in every respect. Price, ... $3 00

JOINTER—22 in. long; 2½ in.; double iron. Same style as Jack, $4 00

Price Per Set, $8 00.

PRICES FOR PLANES, WITH BEST ENGLISH IRONS.

Best Bench Planes, from Best Second Growth Beech, with or without polished start.

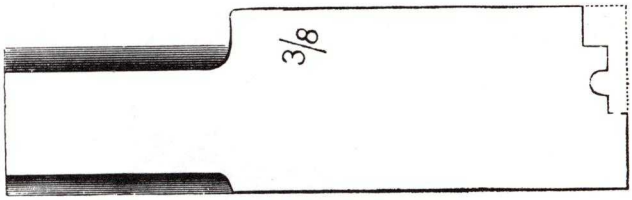
Single, Smooth,	$0 85	Double, Smooth,	$1 05
" Jack,	95	" Jack,	1 20
" Fore,	1 35	" Fore,	1 65
" Jointer, 26-inch,	1 45	" Jointer, 26-inches,	1 75
" " 28 "	1 55	" " 28 "	1 85
" " 30 "	1 65	" " 30 "	2 00

Prices for polishing will be charged extra, as follows:

For Polishing Smooth,	$0 30
" " Jack,	35
" " Fore,	45
" " Jointer, 26-inch,	50
" " " 28 "	60
" " " 30 "	70

Handle, smooth, same as Jack. Mitre, same as smooth.

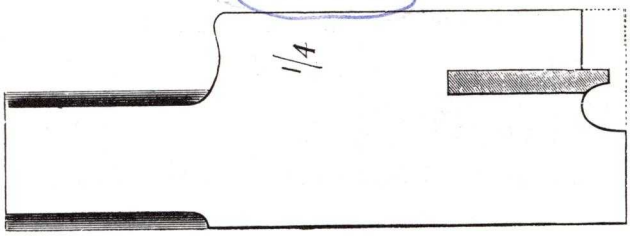
ASTRAGAL No. 46.



No. 46.	Astragals,	$\frac{3}{8}$ to $\frac{3}{4}$ inch.	$0	75
	"	$\frac{7}{8}$ to $1\frac{1}{2}$ "	1	00

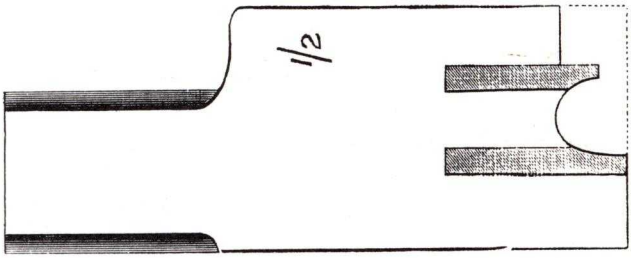
BEADS.

BEAD No. 47.



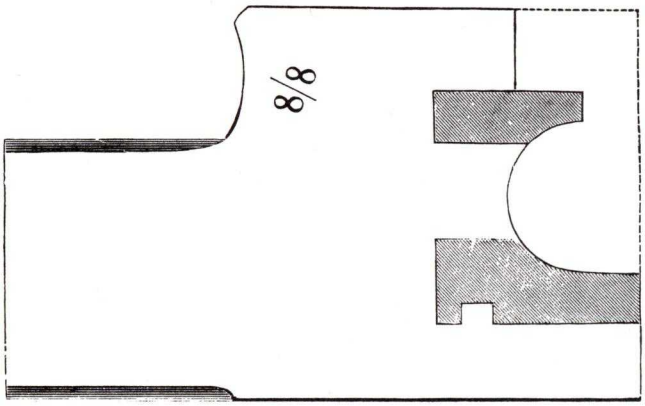
Invoice No. 47.	Beads, single, boxed,	$\frac{1}{2}$ to $\frac{1}{2}$ inch.	$0	50
	" " "	$\frac{5}{8}$ to $\frac{3}{4}$ "		55
	" " "	$\frac{7}{8}$ to 1 "		70
	" " "	to $1\frac{1}{4}$ "		90
	" " "	to $1\frac{1}{2}$ "	1	00

BEAD No. 48.



" 48.	Beads, double, boxed,	$\frac{1}{2}$ to $\frac{1}{2}$ "		60
	" " "	$\frac{5}{8}$ to $\frac{3}{4}$ "		65
	" " "	$\frac{7}{8}$ to 1 "		80
	" " "	$1\frac{1}{4}$ "	1	00
	" " "	$1\frac{1}{2}$ "	1	10

BEAD No. 49.

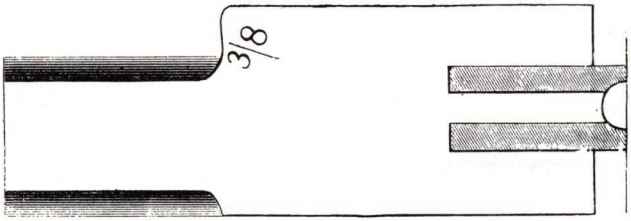


" 49.	Beads, solid boxed, dovetailed, - -	$\frac{1}{8}$ to $\frac{5}{16}$ "	70
	" " " " - -	$\frac{3}{8}$ to $\frac{1}{2}$ "	80
	" " " " - -	$\frac{5}{8}$ to $\frac{3}{4}$ "	90
	" " " " - - -	$\frac{7}{8}$ to 1 "	1 00

For Double or Twin Beads, right and left, add 10 cents extra.

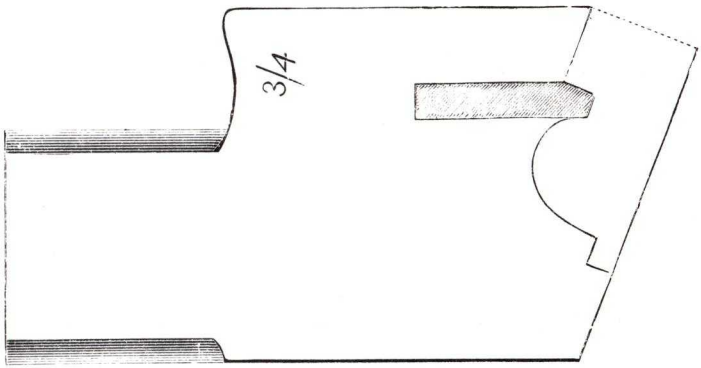
Invoice No. 50.	Base Plane, with handle, - - -	2 to $2\frac{1}{2}$ in.	$2 50
	" " - - - -	3 in.	3 00

CENTRE BEAD No. 51.



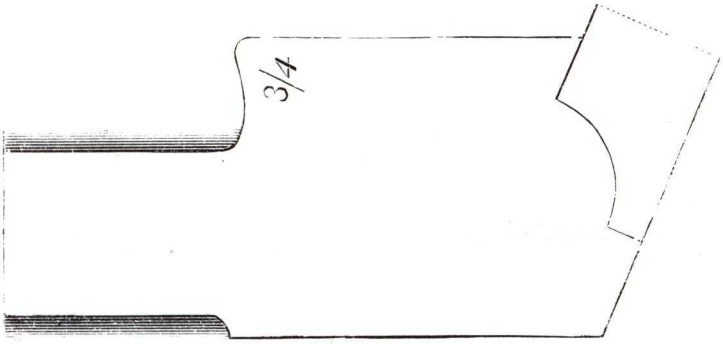
Invoice No. 51.	Centre Beads, double, boxed, - - -	$\frac{1}{8}$ to $\frac{1}{2}$ in.	60
	" " " " - - -	$\frac{5}{8}$ to $\frac{3}{4}$ in.	65

TORUS BEAD No. 51½.



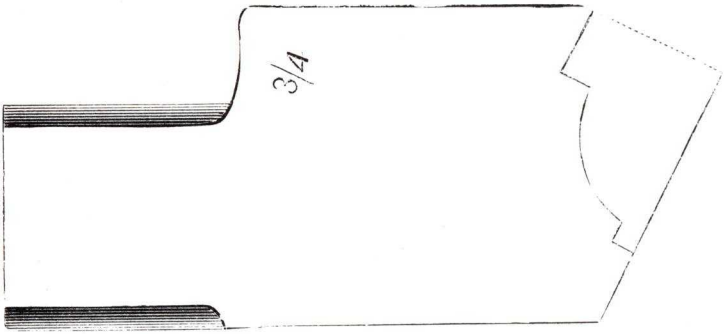
Invoice No. 51½.	Torus Bead to 1 inch,			75
" 52.	Centre Beads, solid boxed, dovetailed,		⅛ to ⅜ in.	75
	" " "		½ to ¾ in.	90

COVE No. 53.



Invoice No. 53.	Cove Plane,	½ to ¾ in.	$0 50
	" "	⅜ to 1 in.	65
	" "	1¼ in.	75

SCOTIA No. 54.

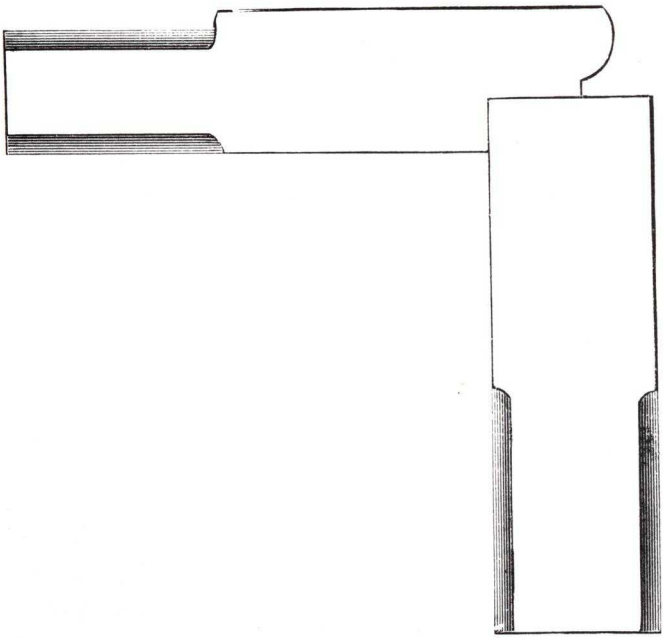


" 54.	Scotia Planes,	or Quarter Rounds, with one or two fillets,	$\frac{3}{8}$ to $\frac{5}{8}$ in.	50
	" "	or Quarter Rounds, with one or two fillets,	$\frac{3}{4}$ to 1 in.	65
	" "	or Quarter Rounds, with one or two fillets,	$1\frac{1}{4}$ in.	75

COVE AND BEAD.

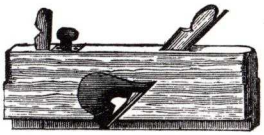
Invoice No. 55.	Cove and Bead,		$\frac{1}{2}$ to $\frac{3}{4}$ inch,	$0 65
	" "		$\frac{7}{8}$ to 1 "	70
	" "		$1\frac{1}{4}$ "	80

COPING PLANE No. 56.



No. 56.	Coping Planes, Double, for Sash Planes,	75
" 57.	" " " and Boxed, for Sash Planes,	90
" 58.	" " for Doors,	90

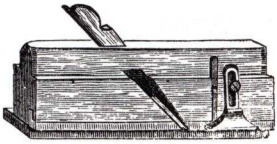
DADOS.



No. 62.

" 59.	Dados, Wood Stop,	$\frac{5}{8}$ to 1 inch,	$1 00
" 60.	" Brass Side Stop,	$\frac{1}{4}$ to 1 "	1 10
" 61.	" Screw Stop, with solid Handle,	$\frac{1}{4}$ to 1 "	2 50
" 62.	" Screw Stop,	$\frac{1}{4}$ to 1 "	1 50
" 63.	Cabinet Makers' Ogee,	2 to 4 inches, per inch,	1 00
" 64.	Cornice Ogee,	2 to 5 " "	1 00

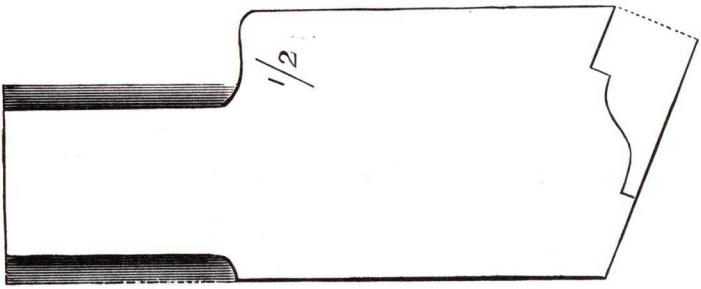
FILLETSTERS.



No. 67.

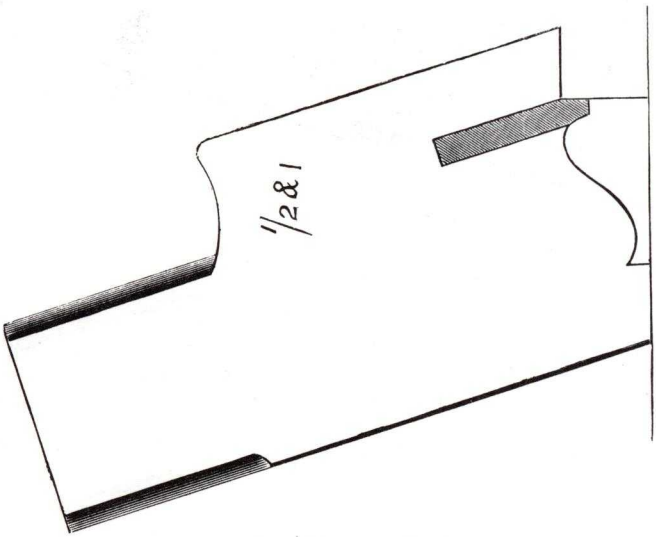
No. 65.	Filletster, Plain,	$1 10
" 66.	" with Cutter,	1 25
" 67.	" " and Brass Side Stop,	1 40
" 68.	" " " " and Boxed,	1 85
" 69.	" " Brass Screw Stop, and Boxed,	2 50
" 70.	" " " " and Boxwood Fence	3 00
" 71.	" " Boxwood Screw Arms, Brass Screw Stop, and Boxed	4 00
" 72.	" " Boxwood Screw Arms, Brass Screw Stop, and Boxed, with Handle,	4 75
" 73.	Back Filletster,	3 50

OGEES.



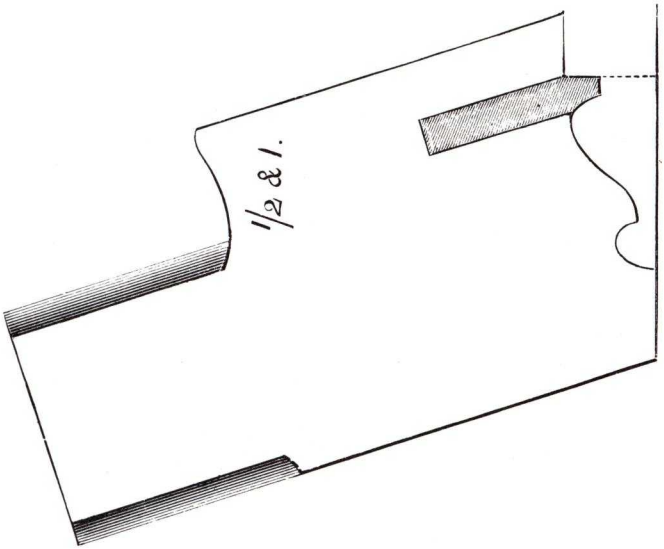
NO. 74.—COMMON OGEE.

No. 74.	Ogee,	$\frac{3}{8}$ to 1	inch,	$0	65
	" "	$1\frac{1}{4}$ to $1\frac{1}{2}$	"		85
	" "	$1\frac{3}{4}$ to 2	"	1	00
No. 75.	Grecian Ogee, Quirk, and Bead,	$\frac{3}{4}$ to 1	inch,	$1	25
	" "	$1\frac{1}{8}$ to $1\frac{1}{4}$	"	1	40
	" "	$1\frac{3}{8}$ to $1\frac{1}{2}$	"	1	60
	" "	$1\frac{5}{8}$ to $1\frac{3}{4}$	"	1	80
	" "	$1\frac{7}{8}$ to 2	"	2	00
No. 76.	Roman Ogees, to work on edge,	$\frac{3}{8}$ to $\frac{1}{2}$	"		75
	" " "	$\frac{5}{8}$ to 1	"		85



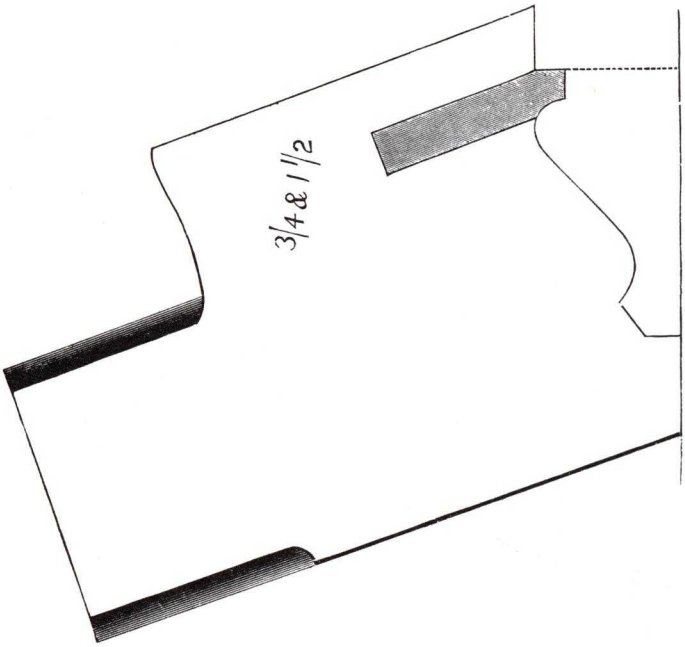
NO. 77 —GRECIAN OGEE.

No. 77.	Grecian Ogee,	$\frac{1}{2}$ to 1 inch,	$0 75
	"	$1\frac{1}{4}$ to $1\frac{1}{2}$ "	90
	"	$1\frac{3}{4}$ to 2 "	1 10
	" with Handle, add,		50



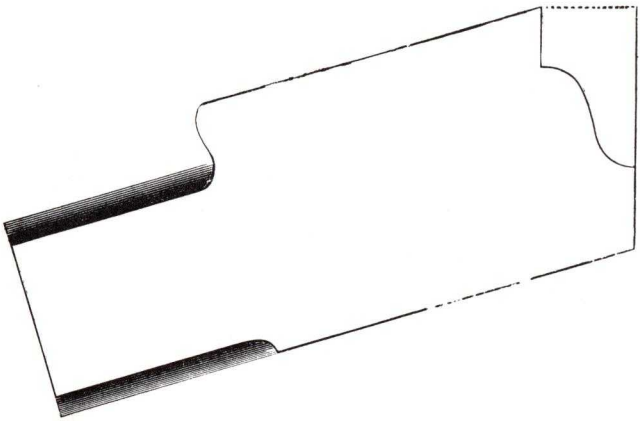
No. 78. Grecian Ogee and Bead.

No. 78.	Grecian Ogee and Bead,	½ to 1¼ inch,	$0 90
	" "	1½ to 2 inch,	1 05
	" " with Handle, add,		50



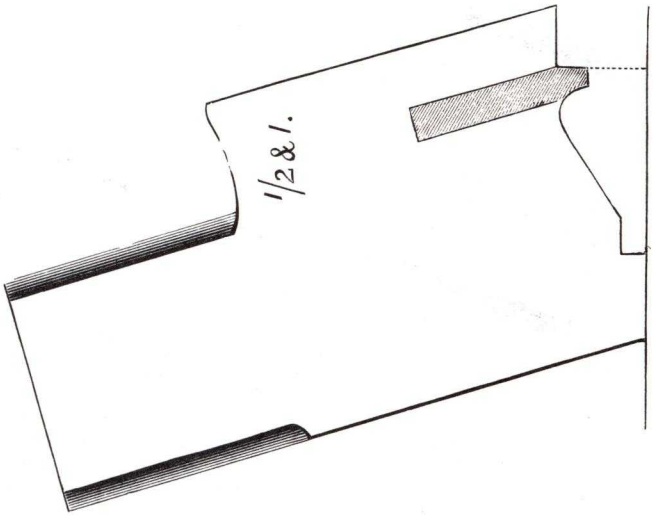
No. 79. GRECIAN OGEE AND BEVEL.

No. 79.	Grecian Ogee with Bevel or Fillet, .	½ to 1 inch,	$0 90
	" " " . .	1¼ to 1½ inch,	1 05
	" " " .	1¾ to 2 inch,	1 25
	" " " with handle, add,		50



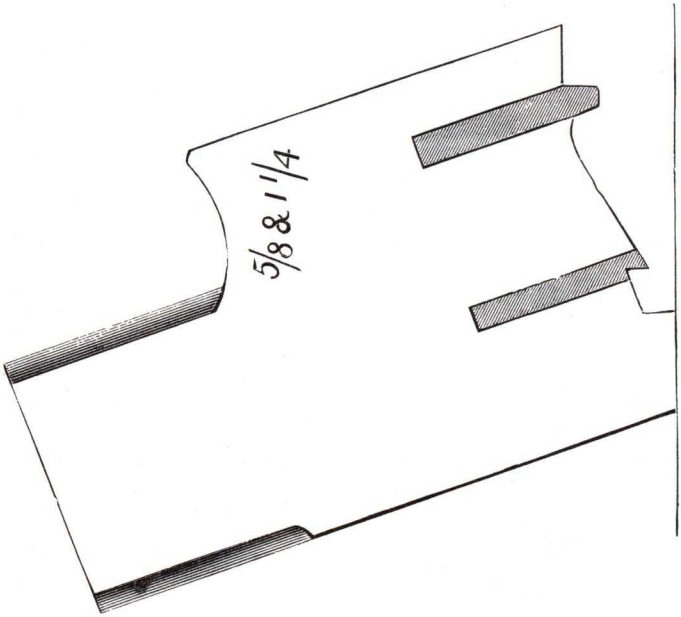
No. 81. REVERSE OGEE.

No. 81.	Reverse Ogees,	$\frac{3}{4}$ to 1 inch,	$0 75
	"	$1\frac{1}{4}$ to $1\frac{1}{2}$ inch,	85
	"	$1\frac{3}{4}$ to 2 inch,	1 00
	"	$2\frac{1}{4}$ to $2\frac{1}{2}$ inch,	1 25
	" with hahdle, add,		50
No. 82.	Roman Reverse Ogees,	$\frac{3}{8}$ to $\frac{5}{8}$ inch,	75
	" " "	$\frac{3}{4}$ to 1 inch,	85
	" " "	$1\frac{1}{4}$ inch,	1 00
	" " "	$1\frac{1}{2}$ to $1\frac{3}{4}$ inch,	1 15



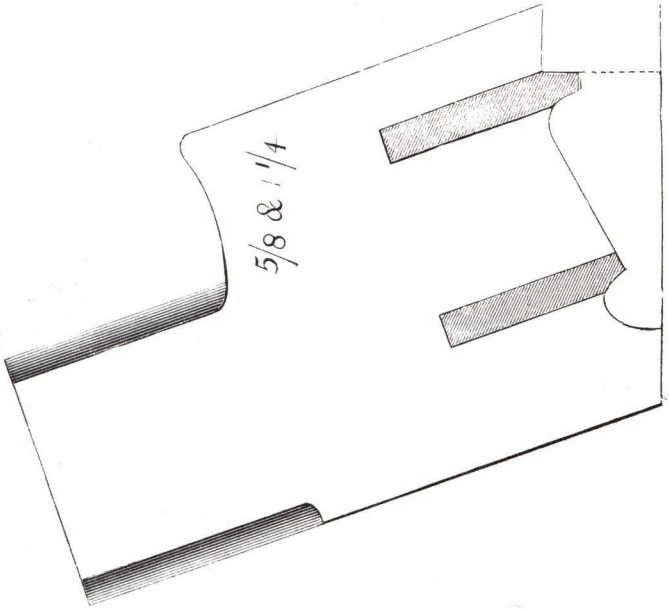
No. 83. Grecian Ovolo.

No. 83.	Grecian Ovolo,	$\frac{1}{2}$ to 1 inch,	75
	"	$1\frac{1}{4}$ to $1\frac{1}{2}$ inch,	90
	"	$1\frac{3}{4}$ to 2 inch,	1 10
	"	$2\frac{1}{4}$ to $2\frac{1}{2}$ inch,	1 50
	" with handle, add,		50



No. 84. GRECIAN OVOLO AND FILLET.

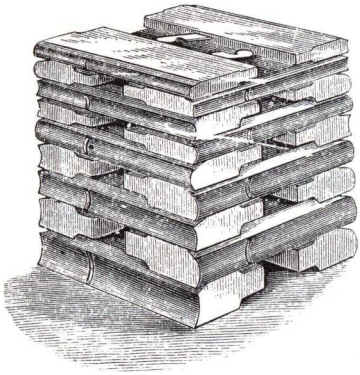
No. 84.	Grecian Ovolo with Bevel or Fillet, .	$\frac{3}{4}$ to 1 inch,	$1 00
	" " " .	$1\frac{1}{4}$ to $1\frac{1}{2}$ inch,	1 10
	" " " .	$1\frac{3}{4}$ to 2 inch,	1 25
	" " " with handle, add		50



No. 85. Grecian Ovolo and Bead.

No. 85.	Grecian Ovolo and Bead,	$\frac{3}{4}$ to 1 inch,	1 00
	" "	$1\frac{1}{4}$ to $1\frac{1}{2}$ inch,	1 10
	" "	$1\frac{3}{4}$ to 2 inch,	1 25
	" " with handle, add		50
" 86.	Gothic Bead, with one Iron,		1 00
" 87.	" " wi h two Irons, boxed,		1 25
" 88.	Halving Plane,		75
" 89.	" " plated,		1 00
" 90.	" " with solid handle,		1 25
" 91.	" " " " plated,		1 40

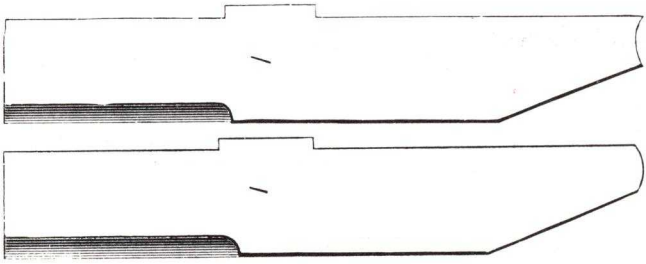
HOLLOWS AND ROUNDS.



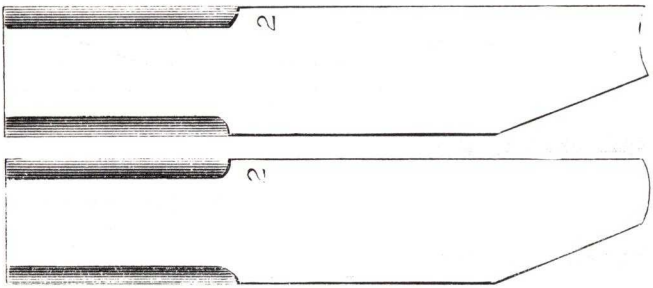
No. 92. One Set.

No. 92.	Hollows and Rounds, per set of nine pair, Nos. 1 to 9, .	7 20
	" " per pair, 1 to 6, ...	75
	" " " 7 to 9, ...	90

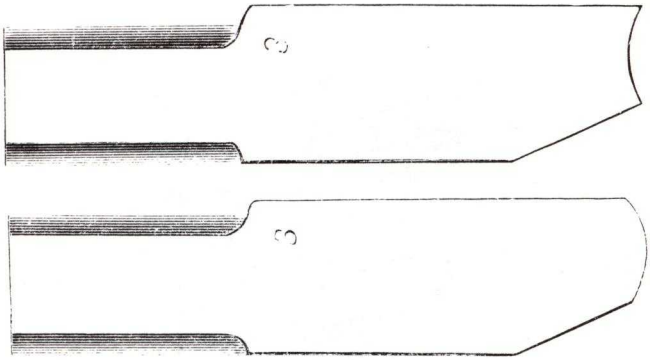
These cuts represent the exact size and circle of the respective numbers.



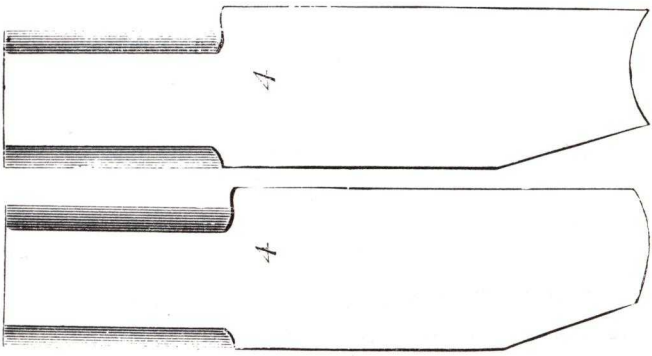
One Pair No. 1.



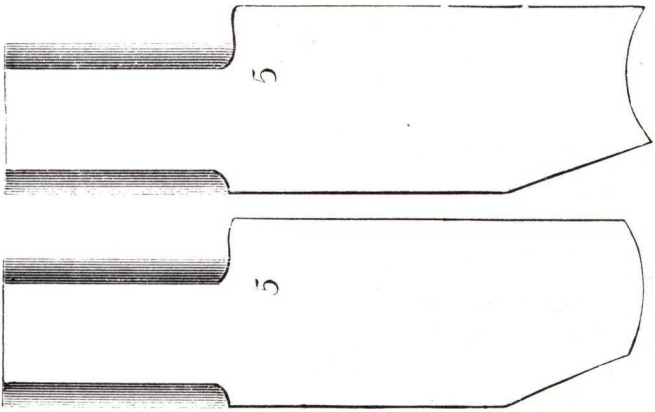
One Pair No. 2.



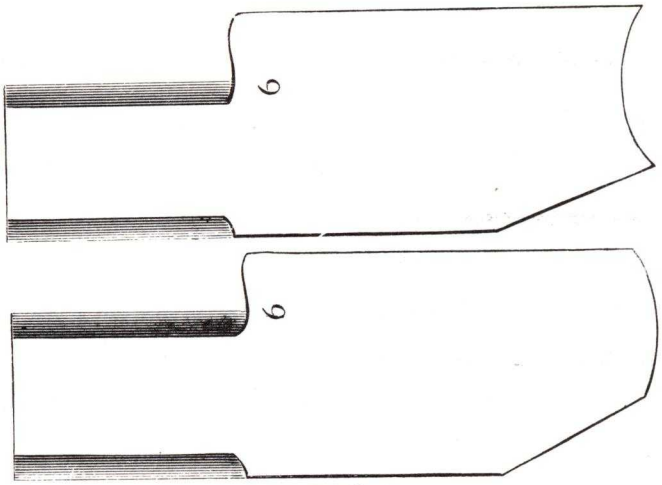
One Pair No. 3.



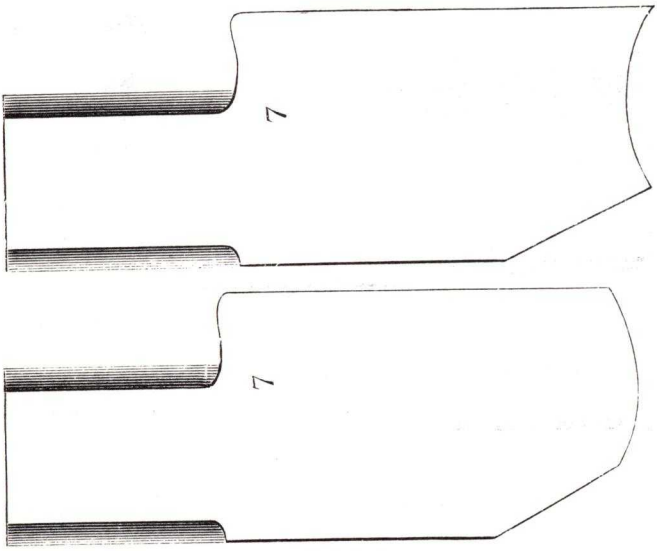
One Pair No. 4.



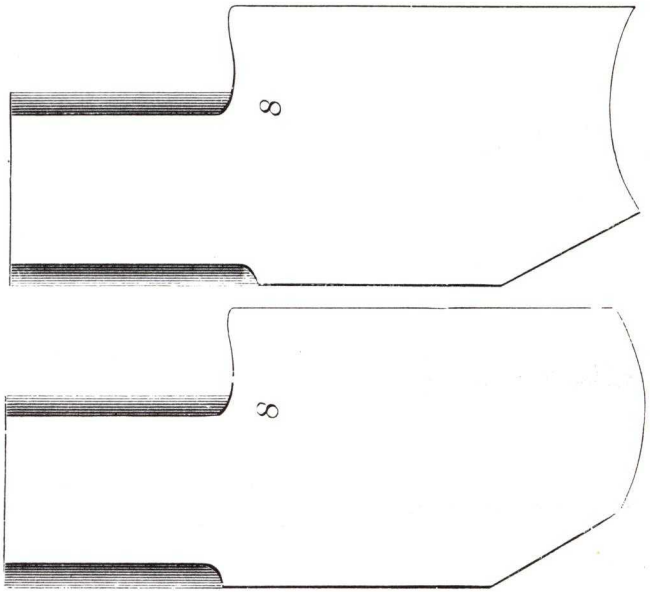
One Pair No. 5.



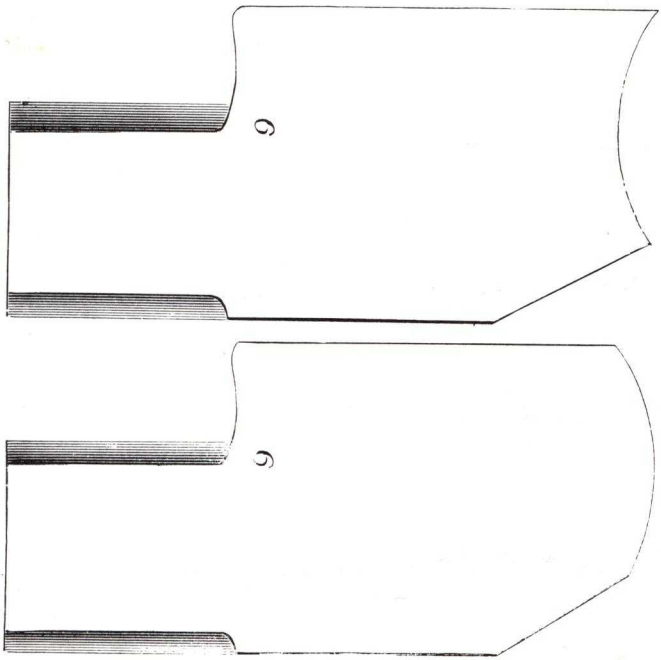
One Pair No. 6.



One Pair No. 7.



One Pair No. 8,

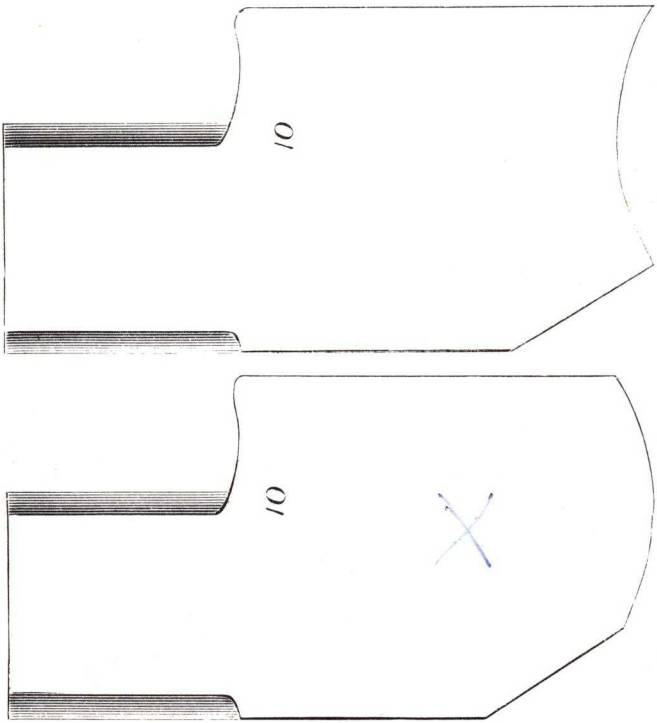


One Pair No. 9.

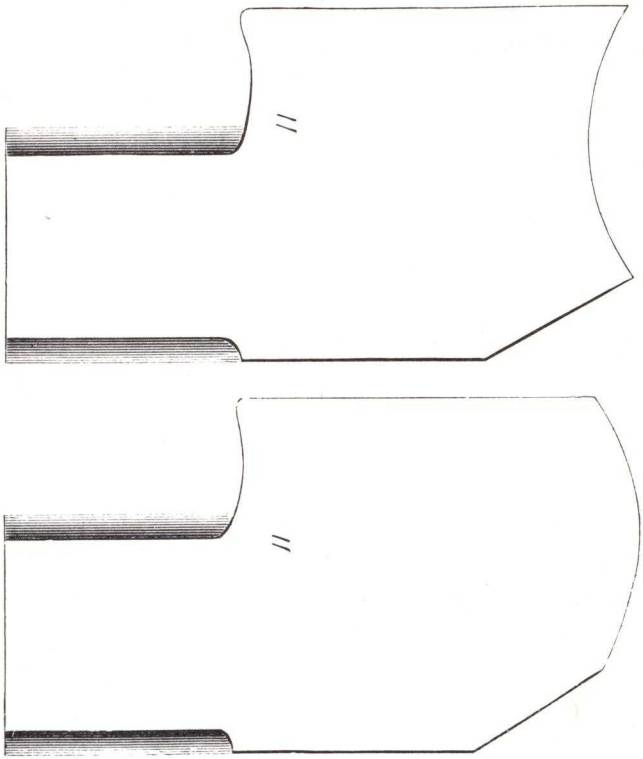
SKEWED HOLLOWS AND ROUNDS.

93. Hollows and Rounds, Skewed Irons, set of nine pair, ... 9 50
" " " per pair, ... 1 50

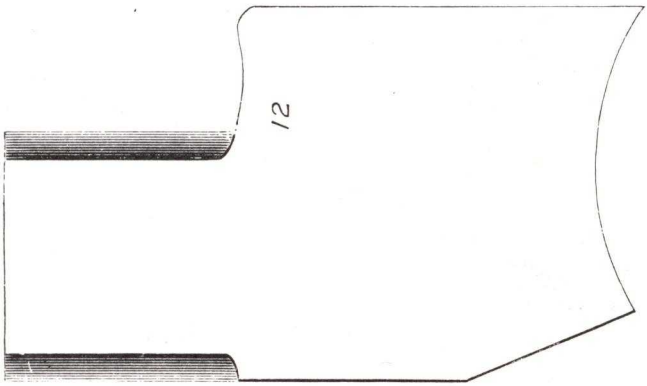
94. Hollows and Rounds, per set of three, 10 to 12, ... $3 30



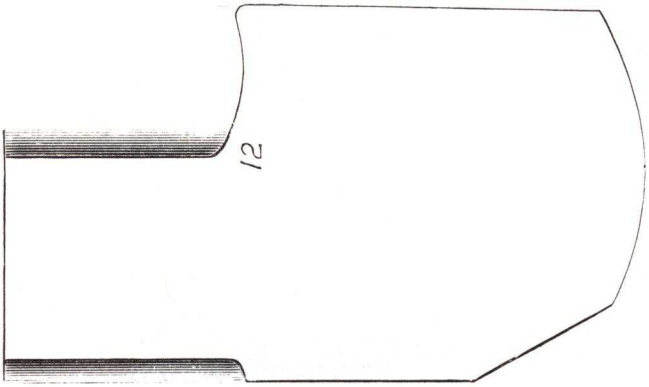
One Pair No. 10.



One Pair No. 11.

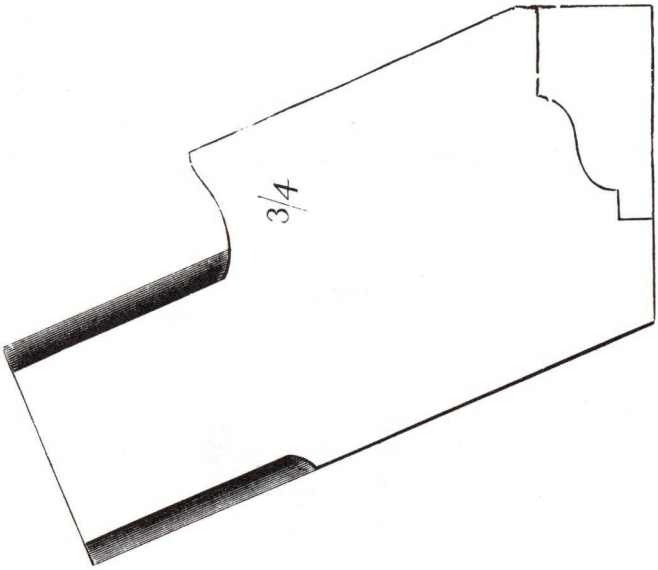


Hollow of Pair No. 12.



Round of Pair No. 12.

NEW STYLE MOULDINGS.



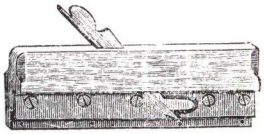
No. 96.—Reverse Ogee and Square.

96.	Reverse Ogee and Square,	½ to 1	inch,	$0 75
	" "	1¼ to 1½	inch,	85
	" "	1¾ to 2	inch,	1 00

No. 97.—Door Ogee.

97.	Door Moulding Plane,	½ to 1¾ inch,	$0 90
	" "	1½ to 2 inch,	1 05
98.	Pilaster Moulding,	3½ inch,	3 50
	" "	4 inch,	4 00

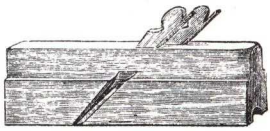
MATCH PLANES.



No. 99.

99.	Board, twin or separate,	⅜ to 1 inch,	$1 25
99½.	" Separate,	1¼ to 1½ inch,	1 75
100.	" twin or separate, plated,	⅜ to 1 inch,	1 50
100½.	" Separate,	1¼ to 1½ inch,	2 00
101.	" with Solid Handles,	½ to 1 inch,	2 00
102.	" " " plated,	½ to 1 inch,	2 25
103.	Plank,	1¼ to 1½ inch,	2 00
104.	" plated,	1¼ to 1½ inch,	2 25
105.	" boxed,	1¼ to 1½ inch,	2 25
106.	" with Screw Arms,		3 50
107.	" " " " and boxed,		4 00
108.	" " " " " " plated,		4 25
109.	" " " " and full plated,		4 50

NOSINGS.

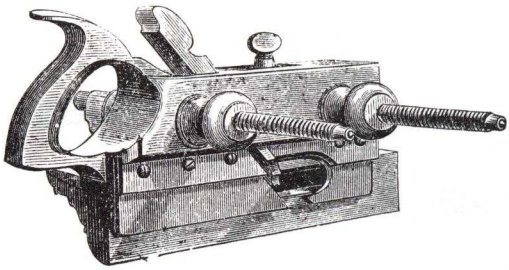


No. 113.

No. 110.	Nosing Mouldings,	½ to ⅝ inch,	$0 80
	" "	¾ to ⅞ "	90
	" "	1 to 1¼ "	1 00
No. 111.	Nosing, one iron,	1 to 1¼ "	80
	" "	1⅜ to 1½ "	1 00
	" "	1¾ to 2 "	1 25

No. 112.	Nosing Step, one iron, with handle,	$\frac{3}{4}$ to $1\frac{1}{4}$ "	1 10
	" " " " " "	$1\frac{3}{8}$ to $1\frac{1}{2}$ "	1 20
	" " " " " "	$1\frac{3}{4}$ to 2 "	1 50
No. 113.	Nosing Step, two irons,	$\frac{3}{4}$ to $1\frac{1}{4}$ "	1 10
	" " " "	$1\frac{3}{8}$ to $1\frac{1}{2}$ "	1 20
	" " " "	$1\frac{3}{4}$ to 2 "	1 50
No. 114.	Nosing Step, two irons, with handle,	$\frac{3}{4}$ to $1\frac{1}{4}$ "	1 50
	" " " " " "	$1\frac{3}{8}$ to $1\frac{1}{2}$ "	1 75
	" " " " " "	$1\frac{3}{4}$ to 2 "	2 00

PANEL PLOWS.



No. 116.	Beech, four Irons, wood stop, without handle,	$3 00
" 117.	" eight " screw " " "	4 50
" 118.	" screw stop, boxwood Fence, without handle,	4 85
" 119.	" " " with handle,	5 50
" 120.	" " " boxwood Fence, with handle,	5 85
" 121.	" boxwood arms, without handle,	5 25
" 122.	" " " boxwood Fence, without handle,	5 60
" 123.	" " " with handle,	6 75
" 124.	" " " " " boxwood fence,	7 00
" 125.	Applewood, screw stop, boxwood Fence, with handle,	6 75
" 126.	" boxwood arms, without handle,	6 50
" 127.	" " " boxwood Fence, without handle,	7 00
" 128.	Applewood, boxwood arms, with handle,	8 00
" 129.	" " " boxwood Fence, with handle,	8 25
" 130.	Box or Rosewood, without handle,	7 00
" 131.	" " " ivory tipped, without handle,	8 00
" 132.	" " " with handle,	9 00
" 133.	" " " " " ivory tipped,	10 00
" 134.	Ebony, without handle,	9 00
" 135.	" ivory tipped, without handle,	10 00
" 136.	" with handle,	11 00
" 137.	" " " ivory tipped,	12 00

No. 138.	Box or Rosewood, self-regulating, without handle,	10 00
" 139.	" " ivory tipped, without handle,	11 50
" 140.	" " with handle,	11 50
" 141.	" " " ivory tipped,	13 00
" 142.	Ebony, self-regulating, with handle,	17 50
" 143.	" " " ivory tipped,	20 00

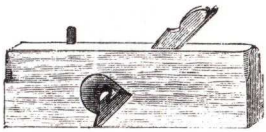
PLOW ARMS.

Boxwood, per pair, complete,	Net,	$1 75
Rosewood, " "	"	1 50
Applewood, " "	"	1 00

RAISING PLANES.

No. 144.	Raising Plane,	2½	inch,	$2 50
	"	2¾	"	2 75
	"	3	"	3 00
	"	3¼	"	3 25
	"	3½	"	3 50
	"	4	"	4 00
No. 145.	Raising Plane, with Screw Arms,	2½	"	2 80
	" "	2¾	"	3 00
	" "	3	"	3 30
	" "	3¼	"	3 60
	" "	3½	"	3 80
	" "	4	"	4 50

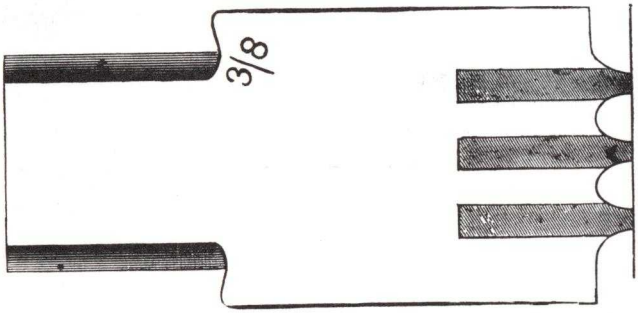
RABBET PLANES.



No. 146.	Rabbet Plane Skew,	½ to 1	inch,	$0 60
	" "	1¼	"	65
	" "	1½	"	70
	" "	1¾	"	80
	" "	2	"	90
No. 147.	Rabbet Plane Skew, (With Cutter and Boxed)	½ to 1	inch,	$1 05
	" " "	1¼	"	1 10
	" " "	1½	"	1 15
	" " "	1¾	"	1 25
	" " "	2	"	1 35
No. 148.	Rabbet Plane Skew, with Handle and Cutter,	1½ to 2	inch,	$1 50
	" " " "	2¼ to 2½	"	1 80

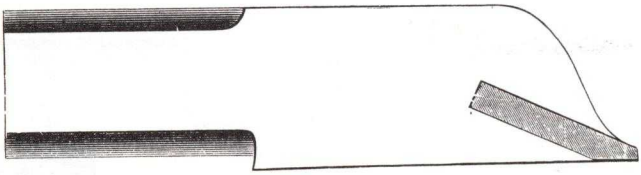
No. 149.	Rabbet Plane Skew, (With Handle and two Cutters,	1½ to 2	"	1 70
	" " "	2¼ to 2½	"	2 00
	" " with handle on side, add			10
No. 150.	Rabbet Planes, Square, same Prices for same sizes, as Skewed.			
No. 151.	Rabbet Planes, Square, Boxed Face,	½ to 1	inch,	$1 05
	" " "	1¼	"	1 10
	" " "	1½	"	1 15
No. 151½.	Side Rabbets, right and left,		per pair,	$1 25

REEDING PLANE.

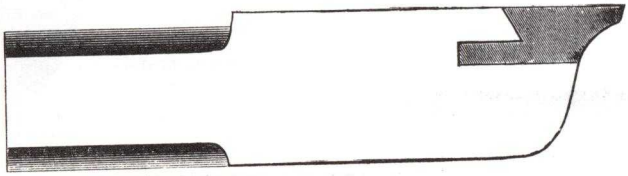


No. 152. Reeding Plane, ... ¼ to ¾ inch, $1 00

SNIPE BILLS.



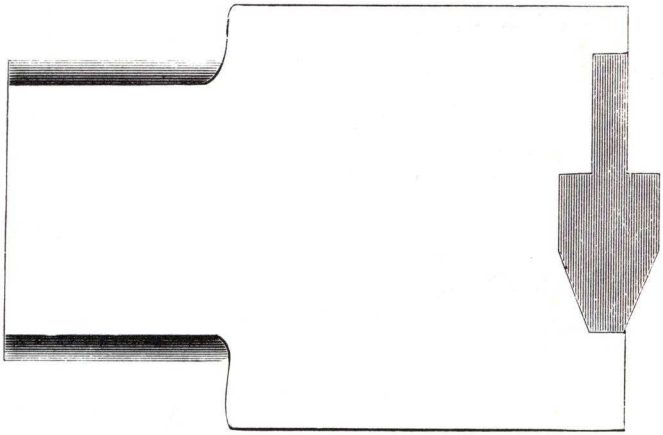
No. 153, Single Boxed.



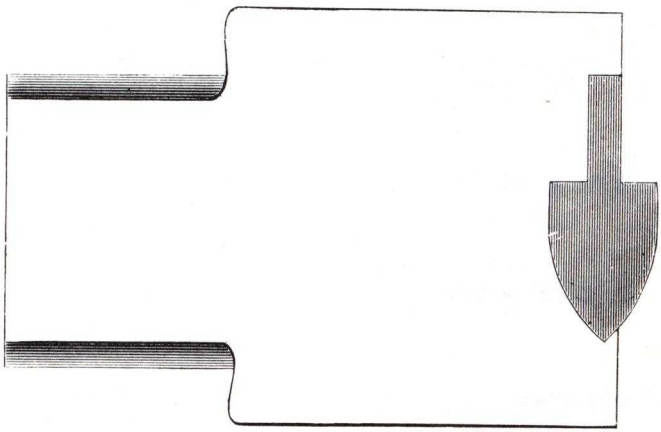
No. 154, Double Boxed.

" 153.	Snipe Bills, single,	per pair,	1 25
" 154.	Snipe Bills, double,	"	1 75

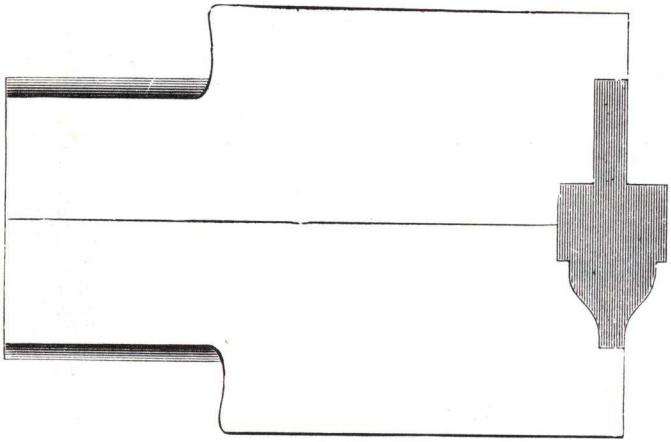
SASH PLANES.



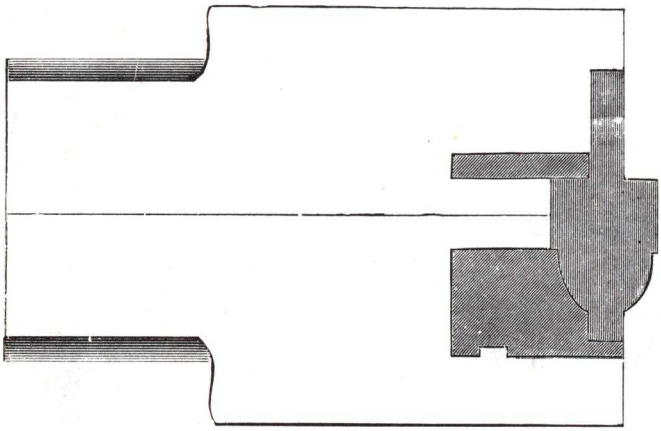
BEVEL SASH.



GOTHIC SASH.



OGEE SASH, SQUARE END.

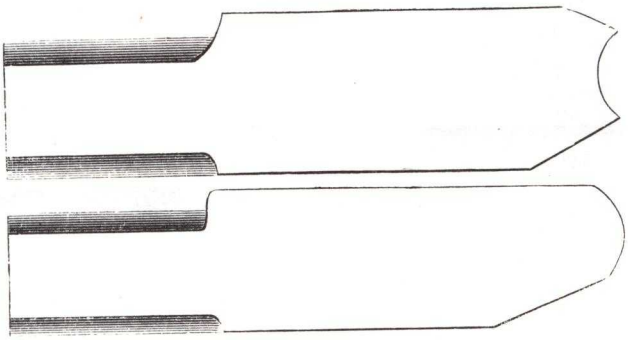


OVOLO SASH.

No. 155.	Sash Plane,	with one Iron,	Bevel or Ovolo,		$0 60
" 156.	"	with two Irons,	"		1 00
" 157.	"	"	Boxed, Bevel or Ovolo,		1 25
" 164.	"	Screw Arms,	self-regulating,	Bevel or Ovolo,	1 75
" 165.	"	"	"	Gothic or Ogee,	1 75
" 166.	"	"	"	Boxed, Bevel or Ovolo	2 00
" 167.	"	"	"	Boxed, Gothic or Ogee	2 00
" 168.	"	"	"	Dovetailed, Boxed, Bevel or Ovolo,	2 25
" 169.	"	"	"	Dovetailed, Boxed, Gothic or Ogee,	2 25
" 170.	"	Brass Screws,	"	Boxed, Bevel or Ovolo,	2 75

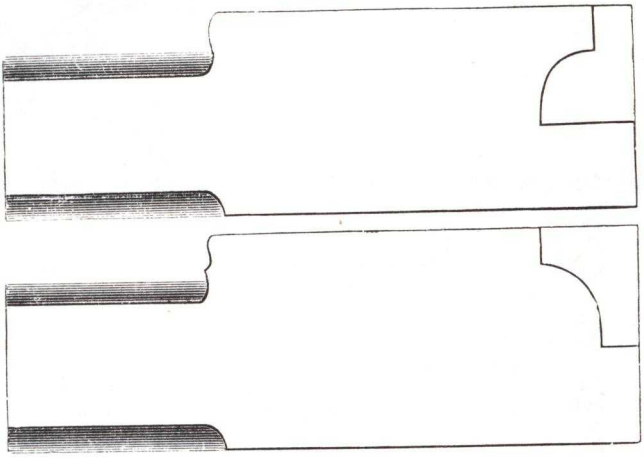
No. 171.	Sash Plane, Brass Screws, self-regulating, Boxed, Gothic or Ogee,	2 75
" 172.	" " " Dovetailed, Boxed, Bevel or Ovolo, .	3 00
" 173.	" " " Dovetailed, Boxed, Gothic or Ogee, .	3 00
" 174.	" TUSCAN, in two parts, ...	1 50
" 174½.	Meeting Rail Plane, for Sash, ...	2 00

TABLE PLANES.



One Pair No. 175.

			Per Pair
No. 175.	Table Plane, with Gauge, ...	½ to 5/8 inch,	$1 10
" 176.	" " Dovetailed, Boxed,	" "	1 65



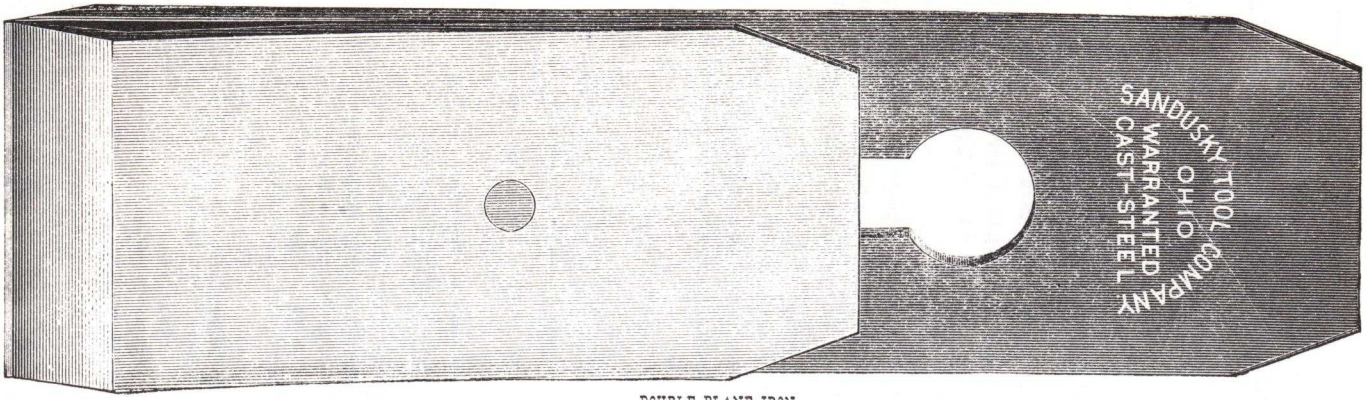
One Pair No. 177.

" 177.	Table Plane, with Fence, . .	½ to ⅝ inch, per pair,	$1 40
" 178.	Washboard Plane, ...	each,	1 20
" 179.	Door Plane, with Screw Arms and Fence, ...	"	1 75
" 180.	" Bevel, Screw Arms, ...	"	1 50
" 181.	" Ogee, "	"	1 60

WARRANTED PLANE IRONS,

MANUFACTURED FROM BEST ENGLISH CAST STEEL BY THE

SANDUSKY TOOL COMPANY.



DOUBLE PLANE IRON.

SINGLE CAST STEEL PLANE IRONS, OR CUT IRONS.

$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	3	inch.
$1 75	1 75	1 75	1 $87\frac{1}{2}$	2 00	2 $12\frac{1}{2}$	2 $37\frac{1}{2}$	2 $62\frac{1}{2}$	2 $87\frac{1}{2}$	3 $12\frac{1}{2}$	3 50	4 50	per doz.

Assorted from 2 to $2\frac{1}{2}$, ... per dozen, $2 $37\frac{1}{2}$.

DOUBLE CAST STEEL PLANE IRONS.

$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	inch.
$3 75	3 75	4 00	4 00	4 $12\frac{1}{2}$	4 25	4 50	4 75	5 25	5 50	6 50	7 50	9 00	10 50	12 00	15 00	per doz.

Assorted from 2 to $2\frac{1}{2}$, ... per dozen, $4 50.

Silver Steel Clipper Irons,

FULL POLISHED.

WARRANTED.

We desire to call the attention of the trade and mechanics in particular, to this comparatively new feature in Plane Irons. These goods were first introduced by us at the International Exhibition of 1876, where they attracted general attention from the trade and mechanics. The orders received for these Irons since their first introduction, have been so encouraging that we are induced to present them generally before the trade, knowing that the merits they possess will readily be observed by the mechanic who uses the *best tools*.

The whole material from which these goods are made is manufactured expressly for us for this purpose. The goods are highly polished—presenting the appearance of being nickle-plated. These Irons are designed for *the mechanics*—those who *understand good tools* and their *use*.

SINGLE OR CUT CLIPPER IRONS.

1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	3	inch.
$2.25	2.25	2.25	2.47½	2.70	2.92½	3.37½	3.87½	4.12½	4.50	4.87½	6.00	per doz.

DOUBLE CLIPPER IRONS, CAPS FITTED.

1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	3	inch.
$4.50	4.50	4.75	4.85	5.07	5.30	5.75	6.25	6.75	7.12½	8.12½	9.00	per doz.

MISCELLANEOUS IRONS.

CAST STEEL RAISING PLANE IRONS.

2	2¼	2½	2¾	3	3¼	3½	3¾	4	inch.
$2.25	2.75	3.25	3.75	4.50	5.00	5.50	6.00	6.50	per dozen.

CAST STEEL SOFT IRONS.

2	2⅛	2¼	2⅜	2½	2⅝	2¾	3	3¼	3½	3¾	4	inch.
$2.00	2.12½	2.37½	2.62½	2.87½	3.12½	3.50	4.50	4.75	5.50	6.00	6.50	per doz.

CAST STEEL TOOTH PLANE IRONS.

2	2⅛	2¼	inch.
$3.00	3.50	3.75	per dozen.

CAST STEEL SOFT MOLDING IRONS.

¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	inch.
$0.69	0.69	0.69	0.71	0.71	0.75	0.81	0.88	0.96	per doz.

1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	inch.
$1.00	1.06	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.06	per doz.

CAST STEEL RABBET IRONS—(Skew or Square.)

$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	inch.
$0.94	1.00	1.04	1.10	1.21	1.25	1.33	1.38	1.44	per dozen.
$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{5}{8}$	inch.
$1.50	1.63	1.69	1.81	1.94	2.06	2.19	2.38	2.75	per dozen.

CAST STEEL MATCH PLANE BITS.

$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
$2.62	2.62	2.75	2.80	2.92	per dozen pair.

CAST STEEL MATCH PLANE IRONS AND BITS FOR PLANK MATCH.

$1\frac{3}{4}$ . . . . inch,
$3 25 . . per doz. pair.

CAST STEEL PLOW BITS.

Cast Steel Plow Bits, 8 irons, $\frac{3}{16}$ to $\frac{5}{8}$, ... $1 50 per set.

CAST STEEL MATCH GROVING BITS.

Cast Steel Match Groving Bits, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, ... $1 50 per dozen.

CAST STEEL FILLETSTER IRONS.

Cast Steel Filletster Irons, $1\frac{1}{2}$, inch, ... $1 50 per dozen.

CAST STEEL DADO IRONS.

$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
$1.00	1.00	1.00	1.00	1.00	1.06	1.10	1.15	1.25	per dozen.

CAST STEEL DADO CUTTERS.

$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
$1.25	1.25	1.25	1.25	1.25	1.30	1.35	1.40	1.50	per dozen.

FILLETSTER CUTTERS.

Filletster Cutters, ... $1 00 per dozen.

RABBET PLANE CUTTERS.

Rabbet Plane Cutters, ... $1 00 per dozen.

CAST STEEL COOPERS' JOINTER IRONS.—10 inches long, single.

$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	inch.
$5.50	6.00	6.25	6.75	7.25	8.00	8.75	9.50	11.00	per dozen.

CAST STEEL COOPERS JOINTER IRONS.—10 inches long Double.

$2\frac{1}{2}$	$2\frac{3}{4}$	3	inch.
$10.00	10.75	11.88	per dozen.

COOPERS' LEVELER IRONS.

Same price as Raising Plane Irons.

COOPERS' FLOAT IRONS.

4 to $4\frac{1}{2}$ inches wide, 7 to $7\frac{1}{2}$ inches long, per dozen, ... $8 00

CAST STEEL HOWELING IRONS.

$1\frac{3}{4}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	inch.
$3.50	3.75	4.25	4.50	5.50	per dozen.

V—Croze Irons for Flour Barrels, ... per doz. $2 00
Plate and Thumbscrews for Lance Croze and Stock Howells, . " 2 00
Lance Croze Teeth, ... per doz. sets 2 00

STOPS.

Plow Screw Stop, ... per dozen, $4 00
Dado " " . . . . . " 3 00
Filletster Screw Stops, ... " 5 00
Plow Side Screw, ... " 1 50
Dado " Stop, ... " 1 50
Filletster Side Screw, ... " 2 00

STANDARD "SAFETY STEEL" AXES.

OHIO, YANKEE AND WESTERN PATTERNS.

Light, 3 to 4 pounds, and 4 to 5 pounds, ...	per dozen.	$10 00
Medium, 4½ to 5 pounds, and 5 to 6 pounds, . .	"	11 00
Heavy, 6 to 7 pounds, ...	"	12 00

Beveled, add 50 cents per dozen, extra.

"Ogontz" quality, $1 00 per dozen less.

AXES, HANDLED.

Packed one dozen in a case, different patterns and assorted weights as desired.

With *Extra* Handles, ...	per dozen, extra,	$4 00
With No. 1 Handles, ...	" "	3 00

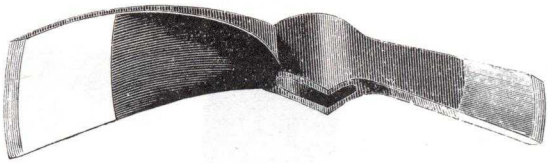
DOUBLE BITTED AXES.

Light, 3½ to 4½ pounds, and 4 to 5 pounds, . . .	per dozen.	$20 00
Medium, 4½ to 5½ pounds, ...	"	21 00
Heavy, 5 to 6 pounds, ...	"	22 00

BOYS' AXES.

With No. 1, 28 inch handles, ...	"	$11 00

MATTOCKS.



Packed two dozen in a case.

Long Cutter, axe finish, ...	per dozen.	$10 50
Short " " "	"	10 50
Pick Mattocks, ...	"	10 50

RAILROAD OR CLAY PICKS.

Packed two dozen in a case.

	Per Dozen
R. R. Picks, extra cast steel points, axe finish, 4 to 5 lbs., & 5 to 6 lbs.,	$ 9 00
" " " " " 6 to 7 lbs. . . .	10 00

MILL PICKS

Solid Cast Steel, polished, ...	per lb.	$0 65
" " " black finished, ...	"	57

GRUB HOES.

Packed two dozen in a case.

No. 0. 3 pounds, cast steel edge, axe finish, . . .	per dozen.	$ 9 00
" 1. 3½ " " " " . . .	"	9 50
" 2. 4 " " " " . . .	"	10 00
" 3. 4½ " " " " . . .	"	10 50

SCHWEHR'S IMPROVED GERMAN HOE.—Solid Cast Steel Blade.

Sandusky Tool Company, Sole Manufacturers.

5½ inch, handled, best Ash handles,	per dozen.	$5 50
6 " " "	"	6 00
6½ " " "	"	6 50
Assorted, " "	"	6 00

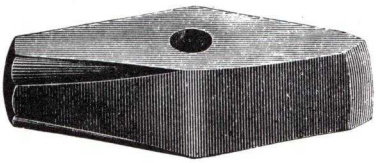
With best ash handle and gibbs or iron straps running through upper and lower part of eye and rivited to handles.

5½ inch,	per dozen.	$6 50
6 "	"	7 00
6½ "	"	7 50
Assorted sizes,	"	7 00

STONE MASON'S TOOLS.

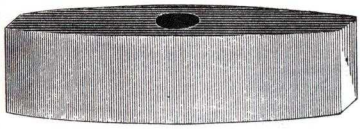
STONE PICKS.

Stone Picks, 7 to 8 pounds, axe finish,	per dozen.	$12 00
" " " " black finish,	"	11 50



STONE SLEDGES.

Cast Steel Face, 6 to 30 pounds,	per lb.	$0 16
Solid Cast Steel, polished, 6 to 25 pounds,	"	40
" " " black finish,	"	36

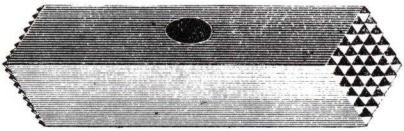


MASONS' HAMMERS.

Extra cast steel head and edge, common polish, ...	per lb.	$0 20
" " " " axe finish, ...	"	22
Solid Cast Steel, axe finish, ...	"	40
" " " black finish, ...	"	38

MASH HAMMERS.

Solid Cast Steel, polished, half bright, ...	per lb.	$0 40
" " " common finish.	"	38



BUSHING HAMMERS.

Solid Cast Steel, ...	per lb.	$0 60

Teeth cut by an improved process.

COAL MINERS' TOOLS.

COAL PICKS.

No. 1.	2 to 2½ pounds, axe finish,	per dozen.	$8 00
" 1.	2 to 2½ " black "	"	7 50
" 2.	3 pounds, axe finish,	"	8 50
" 2.	" black "	"	8 00
" 3.	3½ pounds, axe finish,	"	9 00
" 3.	" black "	"	8 50

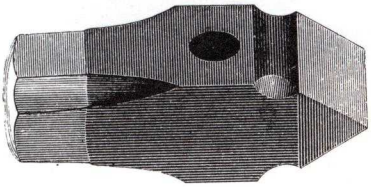
COAL SLEDGES.

Cast Steel Face, 5 to 9 pounds,	per lb	$0 20
Solid Cast Steel, polished, 5 to 9 pounds,	"	40
" " " black finish, 5 to 9 pounds,	"	38

COAL WEDGES.

Solid Cast Steel, 2 to 4 pounds,	per lb.	$0 25

SMITH SLEDGES.

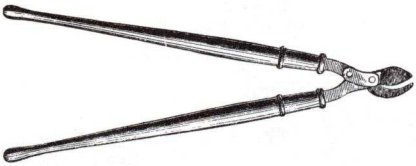


Cast Steel Face, polished, 6 to 25 pounds,	per lb.	$0 16
Solid Cast Steel, " 6 to 25 "	"	40
" " " black finish,	"	36

SMITH HAND HAMMERS.

Cast Steel Face, ordinary finish, 2 to 5 pounds,	per lb.	$0 20
" " " extra " " "	"	22
Solid Cast Steel, black " " "	"	38
" " " polished, " "	"	40

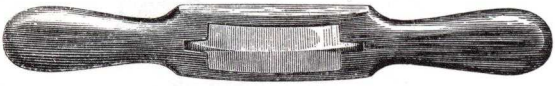
GROVER'S PATENT PRUNING SHEARS.



Made from best refined Cast Steel.

Large size, handled, ...	$2 50
Small " "	2 20

IMPROVED DOUBLE CUTTING SPOKE SHAVE.

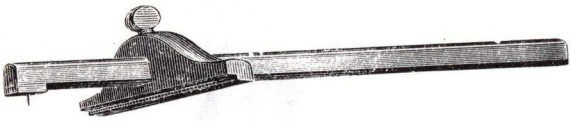


Beechwood, ...	per dozen.	$3 50
Applewood, ...	"	4 00

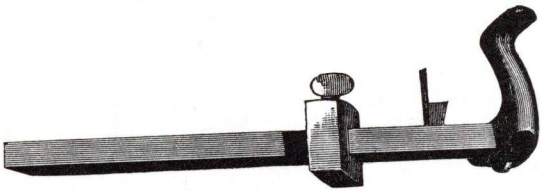
GAUGES.

No. 183.

No. 182. Round Head, ...	per gross,	$6 00
" 183. Oval Head, inches on bar, . . .	"	7 50



" 184. Panel, Beechwood, ...	per dozen,	3 00
" 185. " Rosewood, ...	"	6 00

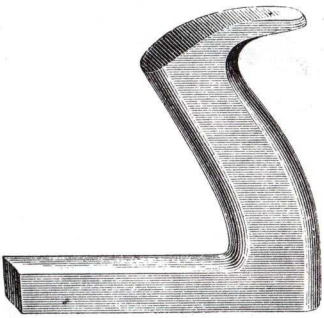


" 186. Slitting, with Handle, and Iron Screw, . .	"	5 50
" 187. " " and roller, ...	"	7 50
" 188. " " " plated, . . .	"	9 00

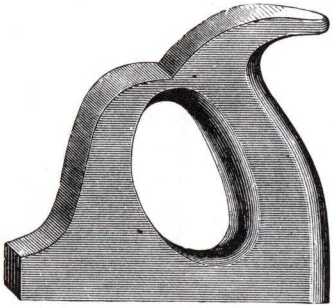
SAW HANDLES.

No.	189.	Extra, full size, Mahogany, polished edges, . .	per dozen,	3 50
"	190.	Full size, Cherry, polished edges, . . .	"	2 50
"	191.	" Beech, "	"	2 25
"	192.	" " plain edges, ...	"	1 80
"	193.	Panel Saw Handles, 16 and 20 inch saws, . .	"	2 25
"	194.	Buck Saw Handles, ...	"	2 00

PLANE HANDLES.

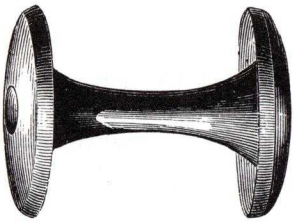


No.	195.	Jack Plane Handles, ...	per dozen,	$0 60
"	196.	" " bolted, . . .	"	1 25



No. 197. Fore Plane Handles, ... per dozen, $0 90
" 198. " " bolted, . . . " 1 50

CHALK LINE REELS,



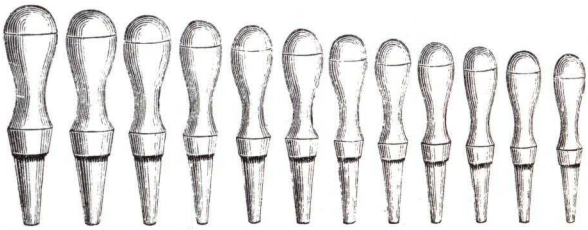
No. 199. Chalk Line Reels, Beechwood, bored, per doxen $0 50

CHISEL HANDLES.

We wish to call especial attention to our Chisel Handles. We are turning a prime Handle, large size, and of a shape that dealers will find generally acceptable to mechanics. We do not let our Handles run so small that half of them are worthless. We use only the BEST hickory and REAL applewood, and put them up in paper boxes, properly labeled, containing one dozen each.

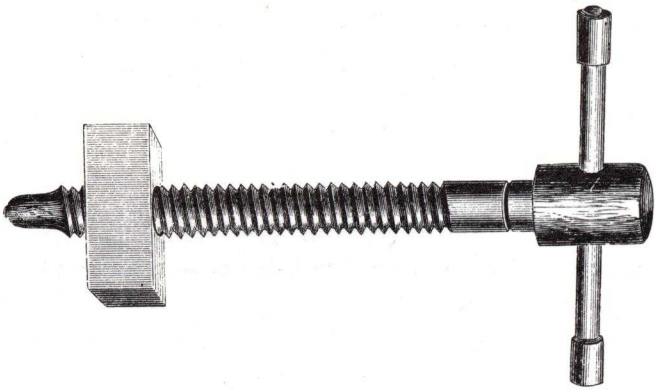
FIRMER CHISEL HANDLES.

SOCKET FIRMER CHISEL HANDLES.



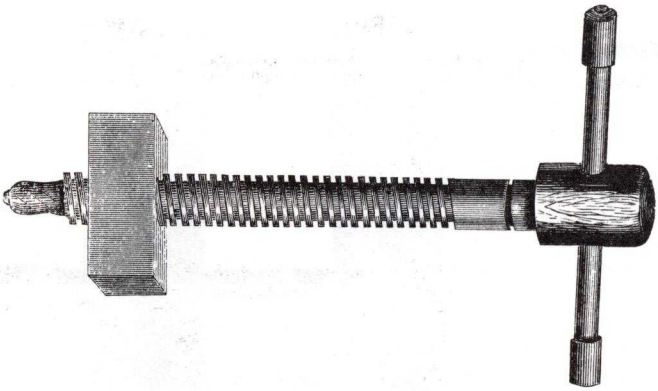
No. 200.	Hickory, firmer chisel handles, polished, brass ferrules,	per gross.	$4 50
" 200¼.	" " " " " " assorted, large,	"	5 00
" 200½.	" " " " polished, brass ferrules, for 2 inch chisel only,	"	5 50
" 201.	Hickory Socket, Firmer Chisel Handles, polished,	"	5 00
" 202.	" " Framing Chisel handles, Malleable Iron Ferrules,	"	4 75
" 203.	Applewood, Firmer Chisel Hdls, polished, brass ferrules,	"	5 50
" 203¼.	" " " " " assorted, large,	"	6 00
" 203½.	" " " polished, brass ferrules, for 2 inch chisels only,	"	6 50
No. 204.	Applewood Socket, Firmer Chisel Handles, polished,	"	5 50
" 204¼.	Second Growth Beech, Firmer Chisel Handles, polished, brass ferrules, assorted sizes,	"	4 50
" 204½	" " Beech Socket, Firmer Chisel Handles, polished,	"	5 00
" 205.	Rosewood Chisel Handles,	per dozen.	1 50
" 206.	Boxwood " "	"	1 50
" 207.	Ebony " "	"	2 50

WOOD BENCH SCREWS.



MADE OF THOROUGHLY SEASONED WHITE SUGAR MAPLE.

No.	209.	Bench Screws, V thread, ...	2	inch, per dozen.		$4 00
"	209½.	" "	2¼	"	"	4 50
"	210.	" "	2½	"	"	4 50



No.	211.	Bench Screws, improved square thread,	2½	inch, per dozen.		$6 00
"	211¼.	Hickory Bench Screws, V thread, .	2	"	"	6 00
"	211½.	" " " . .	2½	"	"	9 00
"	211¾	Tail Screws, ...	2 to 2½	"	"	7 50

FILE HANDLES.

No. 212.	Basswood File Handles,	brass	ferrules,	polished,	.	per gross,	$3 75
" 213.	Maple	"	"	"	"	. "	4 00

BRAD AWL AND SCREW DRIVER HANDLES.

No. 214.	Brad Awl Handles,	beechwood,	brass	ferrules,	polished,	per gross	$3 25
" 214½.	"	"	applewood,	"	"	"	4 50
" 215.	"	"	rosewood,	"	"	"	9 00
" 216.	"	"	boxwood,	"	"	"	15 00

SCREW DRIVER HANDLES.

	Per Doz.
Maple or Beech, varnished, bored and slotted, deep pressed, ferrule, 3 to 5 in.	$0 60
" " " " " " " 5 to 7 in.	70
" " " " " " " 7 to 9 in.	80

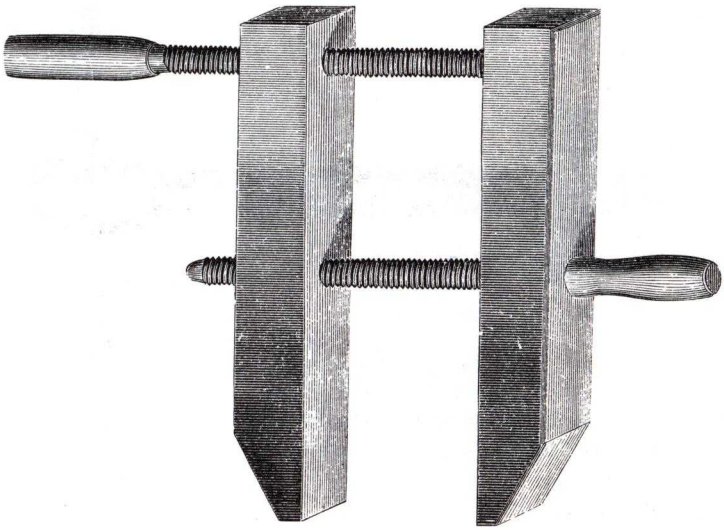
AUGER HANDLES.

No. A 216. Auger Handles, polished hickory, . . per gross. $5 00

CROSS CUT SAW HANDLES.

Cross Cut Saw Handles, second growth ash, ... per gross. $5 00

HAND SCREWS.



In ordering Hand Screws, please give length of jaws as well as Invoice numbers.

We are making a specialty of Hand Screws and Cabinet Makers' Tools generally, and can guarantee to our customers the very best goods in this line in market. We make our Spindles or Screws only of the best second growth hickory, and the jaws of beech or maple, thoroughly seasoned.

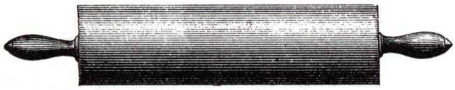
		Diameter of Screws.	Length of Screws.	Length of Jaws.	Size of Jaws.		
No.	216¼.	1¼ inch,	26 inch,	24 inch,	2⅝ x 2⅝ inch,	per dozen,	$10 00
"	216½.	1¼ "	24 "	22 "	2⅝ x 2⅝ "	"	9 00
"	217.	1¼ "	24 "	20 "	2⅝ x 2⅝ "	"	8 00
"	218.	1⅛ "	20 "	18 "	2½ x 2½ "	"	7 00
"	219.	1 "	18 "	16 "	2¼ x 2¼ "	"	6 25
"	221.	⅞ "	16 "	14 "	2 x 2 "	"	5 00
"	222.	¾ "	14 "	12 "	1⅞ x 1⅞ "	"	4 00
"	223.	¾ "	12 "	10 "	1¾ x 1¾ "	"	3 50
"	224.	⅝ "	10 "	8 "	1⅝ x 1⅝ "	"	2 50
"	224½.	½ "	8 "	6 "	1¼ x 1¼ "	"	2 25

Hand Screws, ½, ⅝, and ¾ inch, packed two dozen in a case; all other sizes one dozen in a case.

HAND SCREW SPINDLES, OR SCREWS.

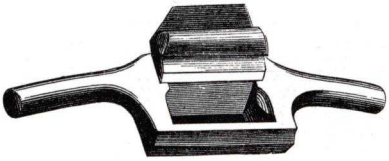
8 inch long,	½ inch diameter,	per dozen pair,	$0 60	net.
10 "	⅝ "	" "	70	"
12 "	¾ "	" "	85	"
14 "	¾ "	" "	60	"
16 "	⅞ "	" "	1 10	"
18 "	1 "	" "	1 30	"
20 "	1¼ "	" "	1 50	"
22 "	1¼ "	" "	1 60	"
24 "	1¼ "	" "	1 75	"
26 "	1¼ "	" "	2 00	"

ROLLING PINS, BEEF MAULS AND POTATO MASHERS.

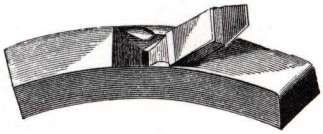


No. 225.	Rolling Pins, loose handles, ...	per dozen.	$1 25
" 226.	" solid "	"	1 00
" 227.	Beefsteak Mauls, ...	"	1 10
" 227½.	Potato Mashers, ...	"	90

COOPERS' TOOLS.



FLOAT.

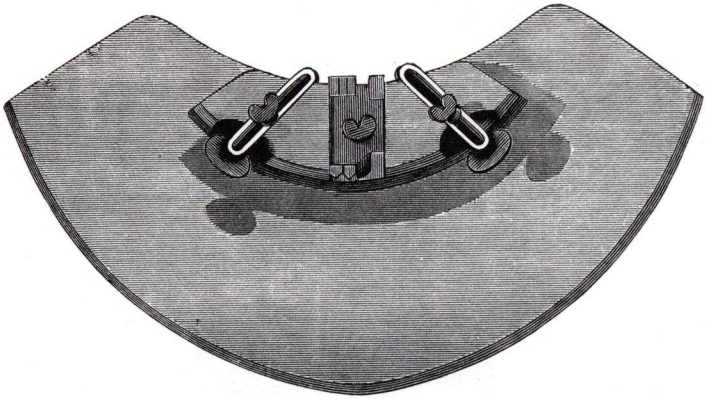


LEVELER.

Parties ordering Coopers' Tools will please be careful and give the size as well as the invoice numbers, otherwise mistakes may occur.

No. 228.	Stock Howel, for tight work, all sizes, plain,	$1 10
" 230.	Gouge Howel, for oil barrels, plain,	1 60
" 231.	Lance Croze, for tight work, all sizes, plain,	1 00
" 233.	" for beer keg and half barrel, plain,	1 30
" 235.	V Croze, all sizes, plain,	90
" 237.	" " improved, with bolt and screw running through the stock to more securely hold the iron,	1 25
" 238.	" with lignumvitæ face,	1 40
" 239.	Coopers' Levelers, lignumvitæ,	2 50
" 240.	" " applewood,	1 12
" 241.	" " beech.	87
"A" No. 241.	Stock Howell, applewood, all sizes, for ordinary work,	$2 00
"B" " 241.	Gouge " " " " "	3 00
"C" " 241.	Lance Croze, " " " "	1 60
"D" " 241.	" " for buckets,	2 75
"E" " 241.	V Croze, applewood,	1 15
"F" " 241.	Coopers' Champfering Tool for finishing after the knife, all sizes, for tight work,	1 50
"G" " 241.	Beer Howell, applewood,	2 50
"H" " 241.	" Croze, "	1 50

SEIGFRIED'S PATENT ADJUSTABLE V AND LANCE CROZE.



Can be adjusted to work any circle from the smallest to the largest.

"I"	No. 241.	Beech or Maple fence,	. . . .	price each.	$3 00
"J"	" 241.	Applewood fence,	. . . .	"	3 75

COOPERS' JOINTERS.

Parties ordering Coopers' Jointers will please state whether *Stave* or *Heading* Jointers are wanted.

SINGLE IRONS.

No.	242.	3 to 3½ feet long,	. . . . .	2½ inch iron,	$1 25
"	244.	4 to 4½ "	. . . . .	2⅜ "	1 50
"	246.	5 to 5½ "	. . . . .	2¾ "	1 75
"	248.	6 "	. . . . .	2¾ "	2 25

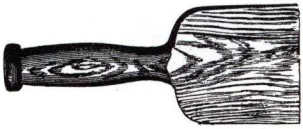
DOUBLE IRONS.

No.	248½.	3 to 3½ feet long,	. . . . .	2½ inch iron,	$1 50
"	250.	4 to 3½ "	. . . . .	2⅝ "	2 00
"	252.	5 to 5½ "	. . . . .	2¾ "	2 50
"	254.	6 "	. . . . .	2¾ "	3 25

COOPERS' FROES.

Cast Steel edge, polished, 9 to 12 inches, ...	per dozen.	$11 50
" " " 13 to 16 " . . .	"	12 50

COOPERS' DRIVERS



No. 255. Coopers' Drivers, malleable iron bands, . .	per dozen.	$2 50

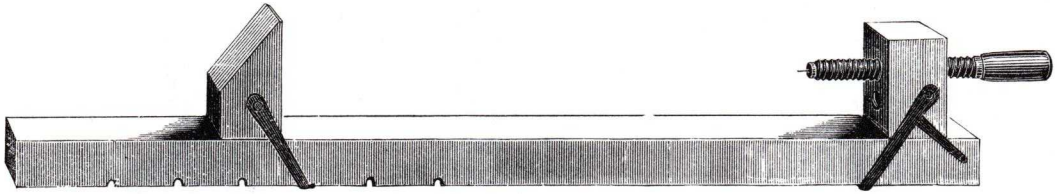
TRESS HOOPS.

Our Hoops are made of the best second growth young hickory, and packed in sets containing six each.

10 to 12	inch,	No. 1, $2 50	No. 2, 2 25	. . .	per set.
12½ to 14	"	" 3 00	" 2 75	. . .	"
14½ to 15½	"	" 3 50	" 3 25	. . .	"
16	"	" 3 75	" 3 50	. . .	"
16½ to 17½	"	" 4 00	" 3 50	No. 3, $3 00	"
18 to 20	"	" 4 50	" 4 00	" 3 50	"
20½ to 21	"	" 4 75	" 4 25	" 3 75	"
22 to 24	"	" 5 00	" 4 50	. . .	"
26 to 30	"	" 6 25	" 5 75	. . .	"
22 to 34	"	" 7 00	" 6 55	. . .	"

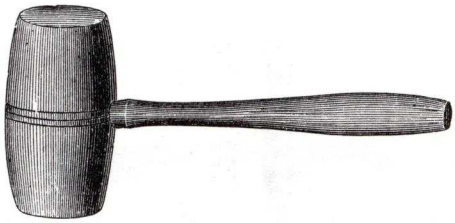
IMPROVED CABINET MAKERS' CLAMPS.

No.	256.	Cabinet	Makers'	Clamp,	length	inside the	Jaws,	2	feet, per dozen,	$9 50
"	257.	"	"	"	"	"	3	"	"	10 00
"	258.	"	"	"	"	"	4	"	"	11 00
"	259.	"	"	"	"	"	5	"	"	12 00



The lower Jaw of this Clamp may be secured at any desired point by use of the movable link attached to it. The upper Jaw is IMMOVABLE, being held in place by a strong malleable iron link, with a spur running back to the heel of the Clamp; the link being securely bolted through the wood at its upper end, in the Jaw, and also at the extreme end of the spur, giving greater strength and firmness than is afforded by any other method.

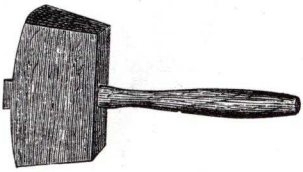
MALLETS.



The trade will find our Mallets neat, durable and of extra fine finish. All round Mallets are finished with hard shellac polish; the square Mallets with extra fine coach varnish, neatly wrapped in paper and labeled.

No. 1.	Carpenters' Round Hickory Mallets,	3	x 5	inch,	per dozen.	$2	37
" 3.	" " " "	3½	x 5½	"	"	2	75
" 5.	" " " "	4	x 6	"	"	3	25
" 7.	Tinners' " " "	.	.	. .	"	1	25
" 9.	Round Lignumvitæ, polished,	3	x 5	inches,	. "	4	00
" 11.	" " "	3½	x 5½	"	. "	4	50
" 13.	" " "	4	x 6	"	. . "	5	50

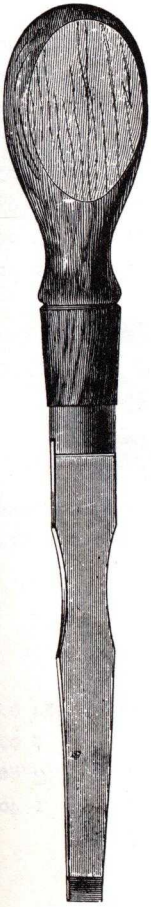
No. 15.	Round, mortised, iron rings,	6 in.	long	4 in.	diameter, per dozen,	$6	00
" 17.	" " "	5½ "		3½	" "	4	00



No. 2.	Carp'rs' S'q. Hick. Mallets, mort. h'dls,	3	x 4	in.	per doz.	$2	87
" 4.	" " " " "	3½	x 5½	in.	"	3	37
" 6.	" " " " "	4	x 6	in.	"	4	00
" 8.	" Lignumvitæ " "	3	x 4	in.	"	4	37
" 10.	" " " " "	3½	x 5½	in.	"	5	25
" 12.	" " " " "	4	x 6	in.	"	6	50

STONE MASONS' MALLETS.

Small,	per dozen.	$7 00
Medium,	"	10 00
Large,	"	12 00

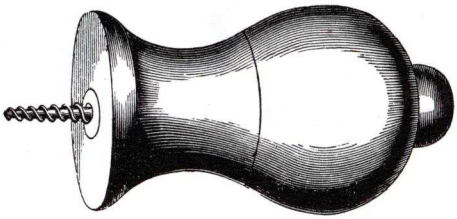


SCREW DRIVERS.

Solid forged Refined Cast Steel.

Screw Drivers, best flat,	1½ to 2 inch,	per dozen.	$1 00
" " "	3 "	"	1 50
" " "	4 "	"	2 00
" " "	5 "	"	2 50
" " "	6 "	"	3 00
" " "	7 "	"	3 50
" " "	8 "	"	4 00
" " "	10 "	"	5 00
" " "	12 "	"	6 00

DOOR STOPS.

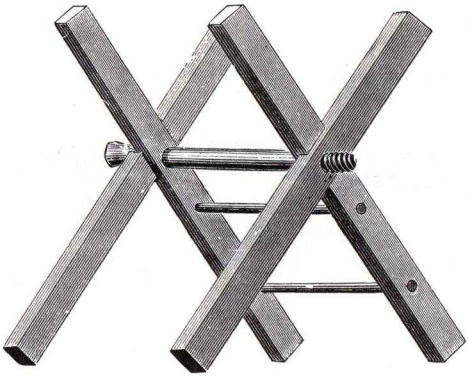


2½ inch,	Maple, plain, polished,	per gross.	$4 00
3 "	" " "	"	4 50
2½ "	Applewood, plain, polished,	"	4 75
3 "	" " "	"	5 50
2½ "	Maple, Rubber tipped, plain, polished,	"	8 00
3 "	" " " " "	"	9 00
2½ "	Applewood, Rubber tipped, plain, polished,	"	9 00
3 "	" " " " " "	"	10 00

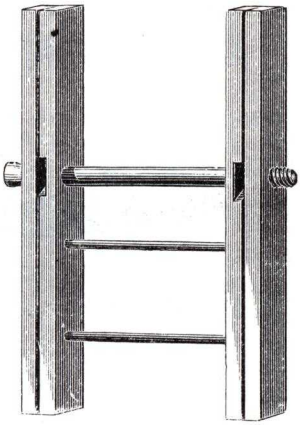
BUNG STARTERS.

Bung Starters,	dovetailed, lignumvitæ head,	per dozen.	$4 00
"	" maple head,	"	2 00
"	" applewood head,	"	3 00
"	common,	"	1 40

SAW BUCKS.



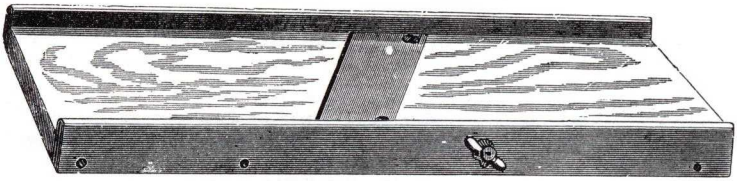
OPEN.



FOLDED.

Improved Folding Saw Buck, square top,	. . .	Per dozen.	$3 50
" " " turned top,	. .	"	4 00

VEGETABLE SLICERS.



Improved Meat and Vegetable Slicer, for dried beef, apples, potatoes, cabbage, &c, 6 inch, cast steel, adjustable blade, ...	per dozen.	$4 00

SNOW SHOVELS.

Improved Snow Shovels, ...	per dozen.	$3 50

SAW FRAMES.

No. 1. Saw Frames, ...	per dozen.	$1 50
" 2. "	"	1 40

SHAVED AXE HANDLES.

No.	XX Shaved Axe Handles, all white, . .	36 inches.	per dozen.	$3 25
"	X " "	36 "	"	2 75
"	1. " "	36 "	"	2 50

Packed in cases of 6 dozen each.

TURNED AXE HANDLES.

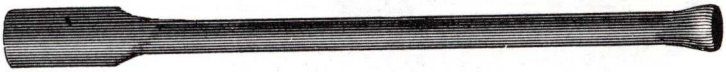
No.	Extra Axe Handles, all white, . . .	36 inches.	per dozen.	$2 63
"	1. " " " . . .	36 "	"	1 80
"	2. " " " . . .	36 "	"	1 40
"	2. N. " " " . . .	36 "	"	1 25
"	3. " " " . . .	36 "	"	80

BOYS' TURNED AXE HANDLES.

Boys' Axe Handles, nearly all white, . .	20 and 22	per dozen.	$1 50
" " " " . . .	24 and 25	"	1 50
" " " "	26 and 28	"	1 50

Packed in 6 and 12 dozen cases.

DOUBLE BITTED AXE HANDLES.



No.	Extra Double Bitted Axe Handles, . .	34 inches.	per dozen.	$2 38
"	1. " " " . .	34 "	"	2 00
"	2. " " " . .	34 "	"	1 40

Packed in 6 and 12 dozen cases.

BROAD AXE HANDLES.

Broad Axe Handles, right and left hand, . .	26 inches.	per dozen.	$2 38
" " " reversible, used right or left,	26 "	"	2 38
Ship " "	34 and 36 "	"	2 38

ADZE HANDLES.

No.	Extra House Carpenters' Adze Handles,	32 inches.	per dozen.	$2 75
"	1. " " " "	32 "	"	2 50
"	2. " " " "	32 "	"	1 25
Ship Adze Handles,		34 and 36 "	"	2 50
Railroad Adze Handles,		32 and 36 "	"	2 50

Packed in cases of 6 and 12 dozen each.

RAILROAD PICK HANDLES.

No.	Extra R. R. Pick Handles, all white, extra heavy,	36 in.	per doz.	$2 50
"	Excelsior " " nearly all white,	36 in.	"	1 80
"	1. " " mixed,	36 in.	"	1 50
"	B. " " red,	36 in.	"	1 38

California Surface, Australia, South American and clay Pick Handles, same size and style as railroad.

Packed in cases of 6 and 10 dozen each.

COAL MINERS' PICK HANDLES.

Soft Coal, Small Pattern, Branded No. 1, size, 34 inch, No. 1 quality, Eye, $3\times\frac{5}{8}$ in. per dozen.		$1 38
" " Medium " " " 2, " 34 inch, No. 1 quality, Eye, $3\times\frac{3}{4}$ in. per dozen.		1 38
" " Large " " " 3, " 34 inch, No. 1 quality, Eye, $3\frac{1}{8}\times\frac{7}{8}$ in. per dozen.		1 38
Hard " Scranton " " " 4, " 34 inch, No. 1 quality, Eye, $3\frac{1}{2}\times1$ in. per dozen.		1 65
" " " " " " 5, " 36 inch, No. 1 quality, Eye, 4×1 in. per dozen.		1 85

Numbers on Coal Pick Handles indicate sizes not quality.

Packed in cases of 6 dozen each.

SLEDGE HANDLES.

No.	Extra Sledge Handles, all white,	. .	24 inches.	per dozen.	$1	25
"	1. " "	.	24 "	"	1	12
"	Extra " " all white,	. .	30 "	"	1	50
"	1. " "	.	30 "	"	1	25
"	Extra " " all white,	. .	36 "	"	1	75
"	1. " "	.	36 "	"	1	50
"	Extra " " all white,	. .	38 "	"	2	00
"	1. " "	.	38 "	"	1	75
"	Extra " " all white,	. .	40 "	"	2	25
"	1. " "	.	40 "	"	2	00

Packed in cases, 6 and 12 dozen.

MAUL HANDLES.

No.	Extra Maul Handles, with knob, all white,	.	36 inches,	per dozen.	$1	75
"	1. " " " . . .	.	36 "	"	1	50
Straight Taper Sledge or Tool,	. . . .	.	36 "	"	1	50

COLD CHISEL HANDLES.

Cold Chisel Handles, . . . 14, 30 and 36 inches.

Price the same as Sledge Handles.

SMALL HANDLES.

HATCHET HANDLES.

The numbers refer to the size of Tool, not quality of Handle.

No. 1.	Shingling Hatchet,	. . . . .	13½	inch,	per dozen.	$0 44
" 2.	" "	. . . . .	14½	"	"	44
" 3.	" "	. . . . .	15½	"	"	44
" 1.	Broad "	. . . . .	15	"	"	44
" 2.	" "	. . . . .	15	"	"	50
" 3.	" "	. . . . .	16½	"	"	60
" 4.	" "	. . . . .	16½	"	"	60
" 5.	" "	. . . . .	18	"	"	70
" 6.	" "	. . . . .	19	"	"	70

HAMMER HANDLES.

Machinists' Hammer,	. . . . .	15	inch,	per dozen.	$0 60
" "	. . . . .	16	"	"	70
" "	. . . . .	18	"	"	80
" "	. . . . .	20	"	"	1 00
Boiler Makers' "	. . . . .	18	"	"	80
" "	. . . . .	20	"	"	1 00
" "	. . . . .	22	"	"	1 00
Blacksmiths' "	. . . . .	18	"	"	80
" "	. . . . .	20	"	"	1 00
" "	. . . . .	22	"	"	1 00
Adze Eye "	. . . . .	13, 14 and 15	"	"	44
Round Eye "	. . . . .	13, 14 and 15	"	"	44
Coopers' Axe "	. . . . .				1 15

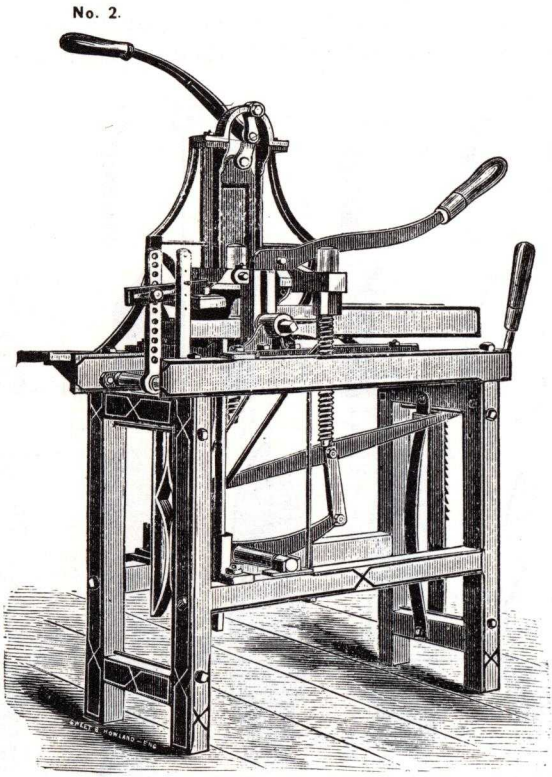
WHIP STOCKS, BLACK BOARD POINTERS AND SHOT GUN RODS.

White Hickory Whip Stocks, 3½ feet with keepers,		$1 25
" " " 4 " "		1 25
" " " 4½ " "		1 25
" " " 5 " "		1 50
Red " " 3½ " "		1 00
" " " 4 " "		1 00
" " " 4½ " "		1 00
Black Board Pointers, 3, 3½, 4, 4½,	per dozen.	$1 15
Shot Gun and Rifle Rods,	"	60

TOY TOOL-CHEST SUPPLIES.

Gauge, Round Bar,	Price per dozen.	$0 30
" Square "	" "	35
Wood Try Square,	" "	30
Plane, Sheet Steel Iron,	" "	1 50
Rule, 8 inch,	" "	15
Brad and Scratch-Awl Handles,	" "	20
Chisel and File Handles,	" "	25
Hand Screws, ½ inch,	" "	75
Smooth Plane, Single Iron,	" "	3 25
Jack " "	" "	4 25
Mallets, 1¼ x 2¼ inch head,	" "	30
" 1½ x 2⅝ "	" "	35
" 2 x 3 "	" "	40
" 2¼ x 3½ "	" "	45
" 2½ x 4½ "	" "	60

J. A. MONTGOMERY'S PATENT PICKET CUTTER.

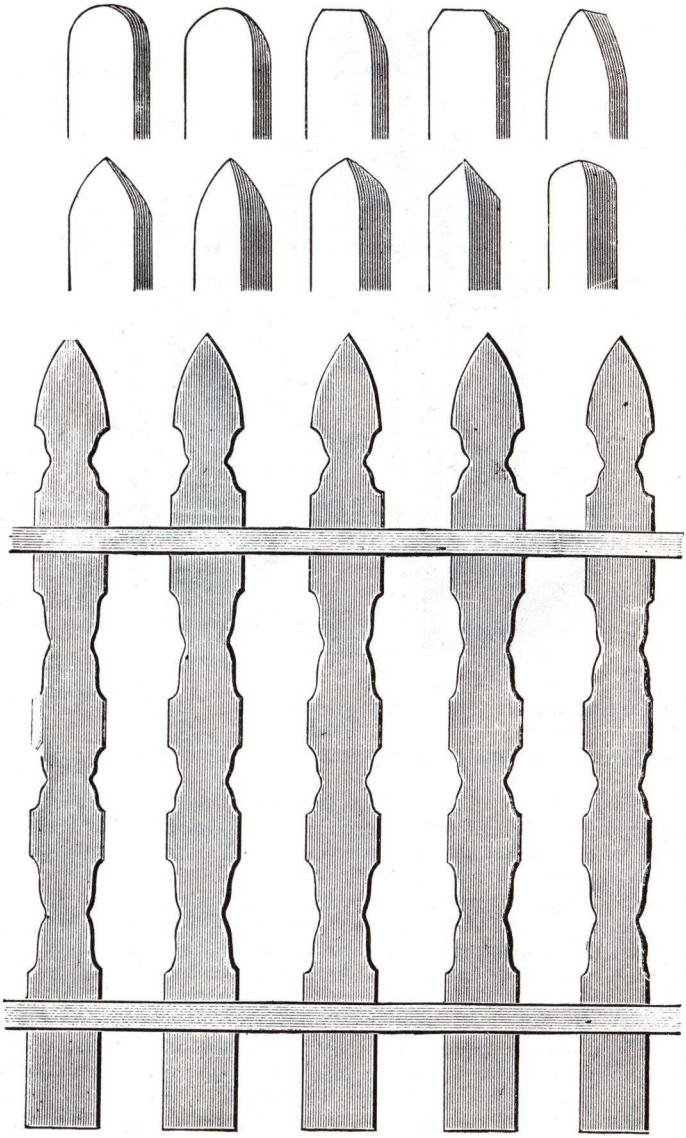


No. 1, For Cutting Heads, separate from necker, ...	$50 00
" 2, " " Necks, " " header, ...	25 00
Header and Necker combined as represented in cut, ...	75 00

This cut represents one of *J. A. Montgomery's Patent Picket Cutters.* It is designed for shaping the ends of fence pickets, and cutting necks and other mouldings on the edge of the picket, to any desired style. It is not only designed for this, but it will cut mitres for frames, and for finishing the ends of any class of woodwork, where the work is required to be done nicely and rapidly. It is also indispensible to the agricultural maching manufacturer, wagon maker, and all those who are engaged in manufacturing all classes of machine frames and like work. It will work with ease in hard or soft wood. In cutting hard wood there is no apparent strain upon the gearing of the machine when properly set.

This machine is really two machines combined, and will be sold either part or complete, both in one, as parties may desire. The part No. 1, for shaping the end, will cut a number of different patterns many of which are shown in the cuts herewith. It requires no skill to use it after it is once set. Any skillful workman can cut nice gothic points on 5,000 pickets in ten hours with ease. The work that it does is so perfect that it cannot be improved.

No. 2 is to cut the neck or molding on the edge of pickets for fancy work. Two bits will cut a nice fancy picket. These bits are bent the shape of molding, and made to give a drawing cut so as to leave the work perfectly smooth. There is also an arrangement for a double mitre-knife that will cut a perfect mitre.



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